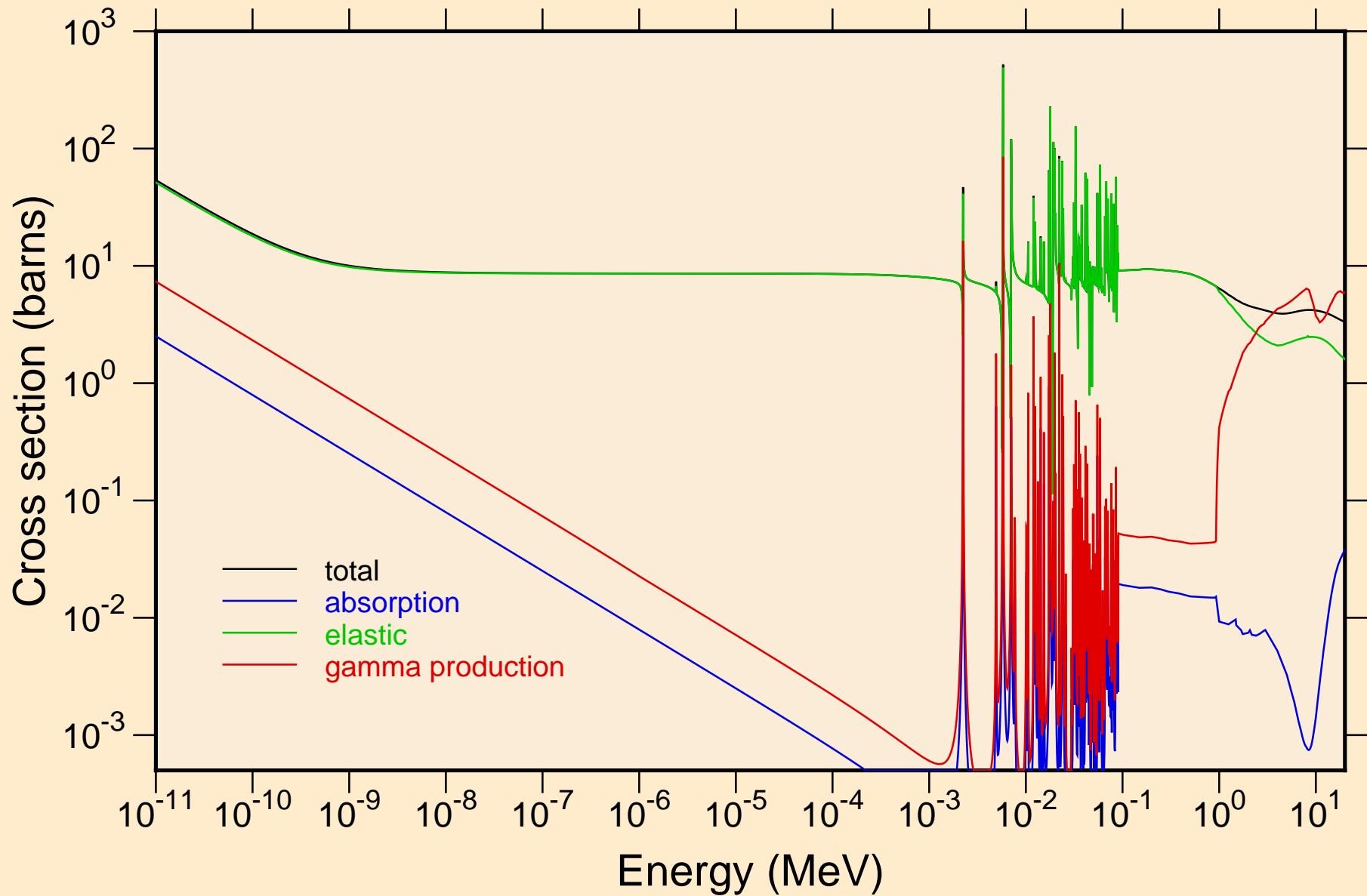
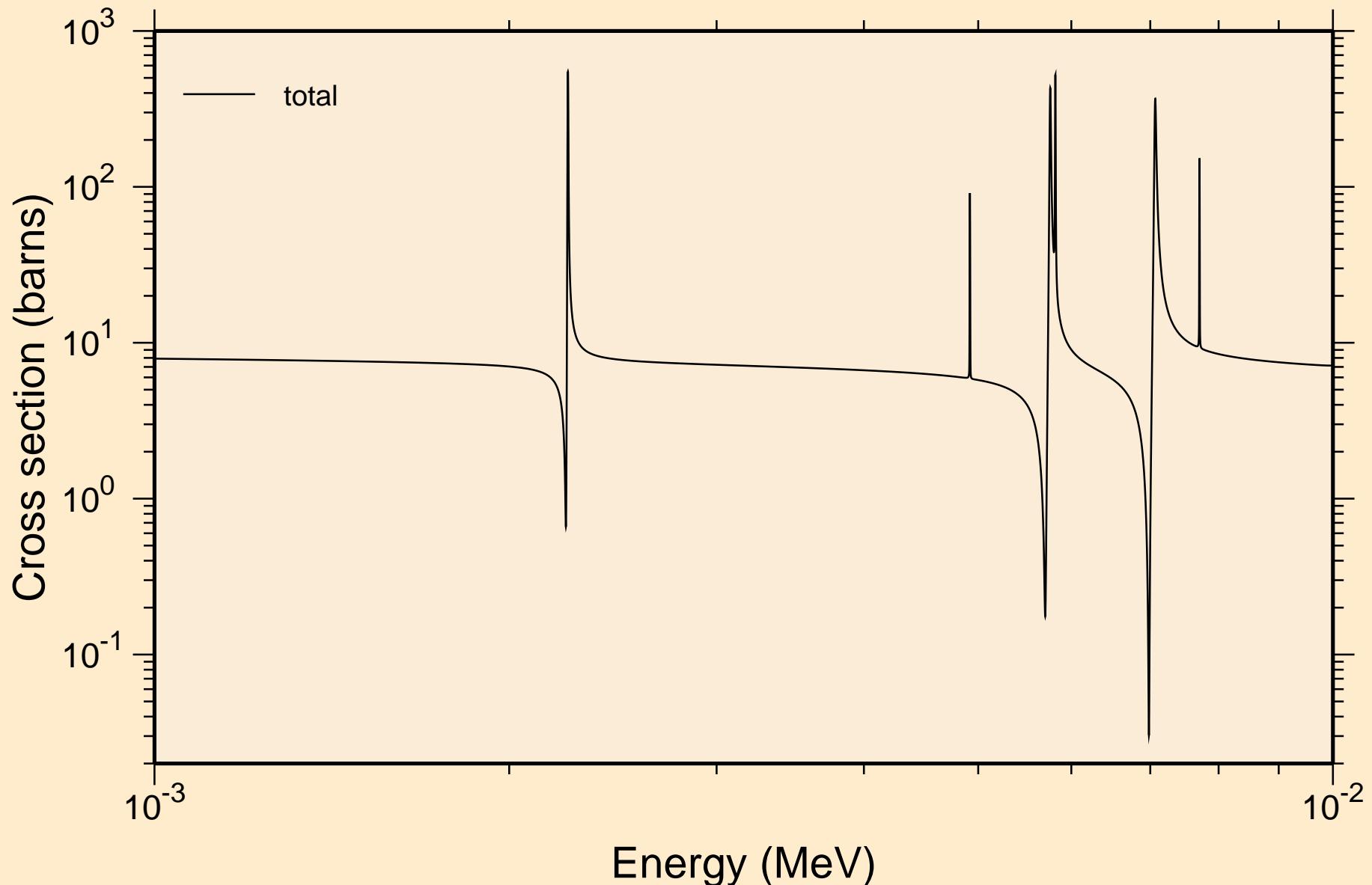


# ENDF/B-VII ZR-94

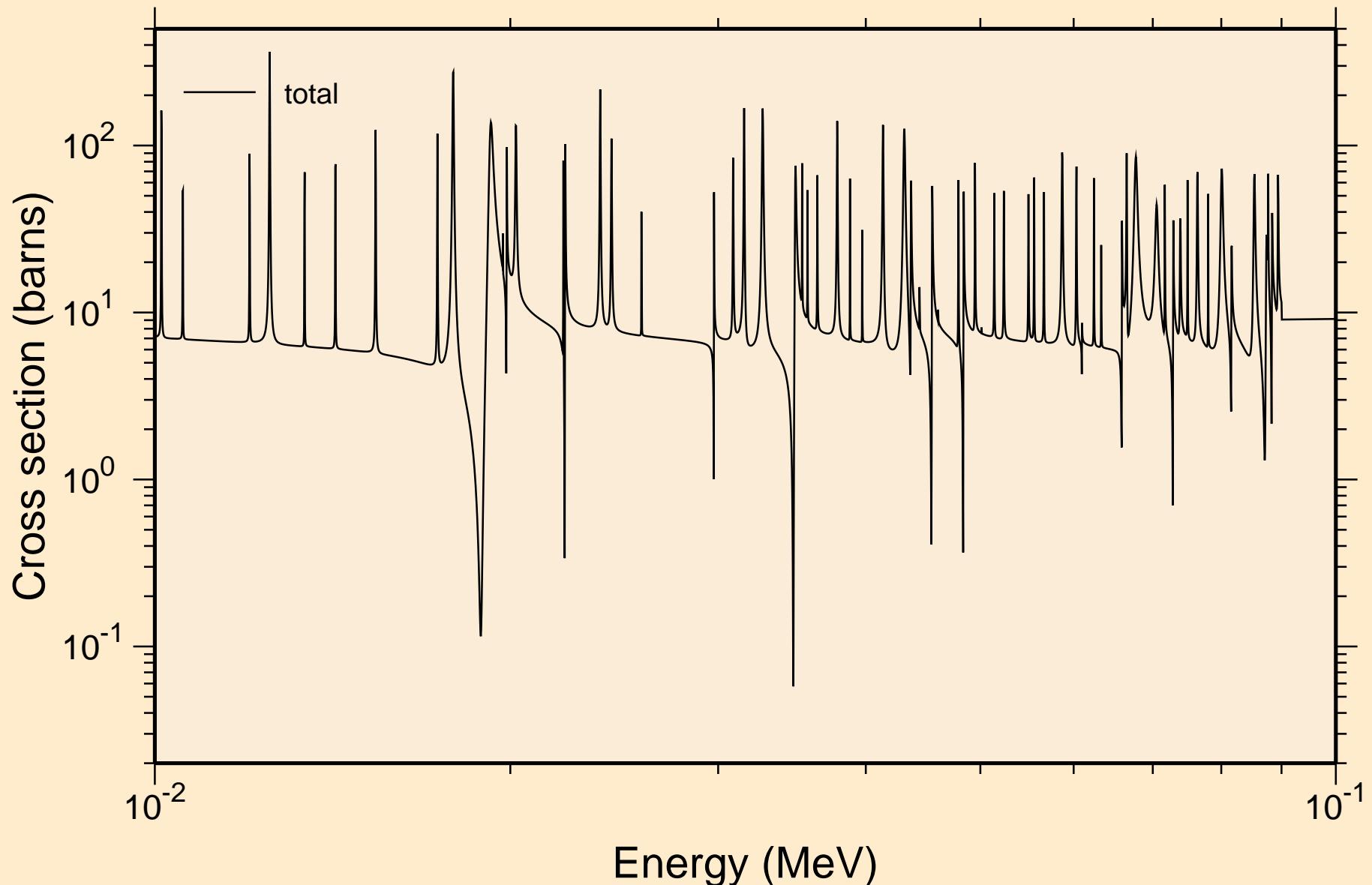
## Principal cross sections



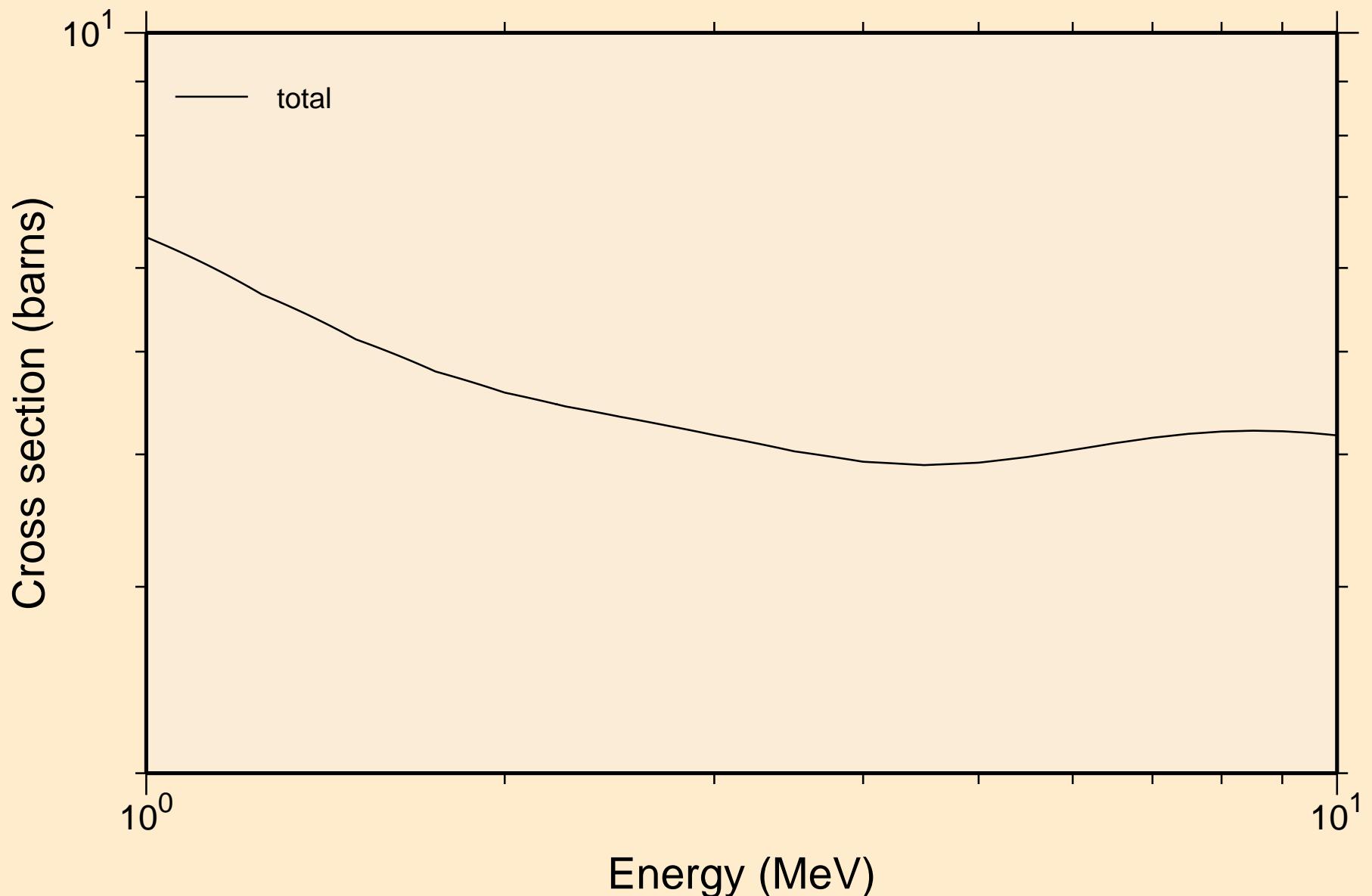
ENDF/B-VII ZR-94  
resonance total cross section



ENDF/B-VII ZR-94  
resonance total cross section

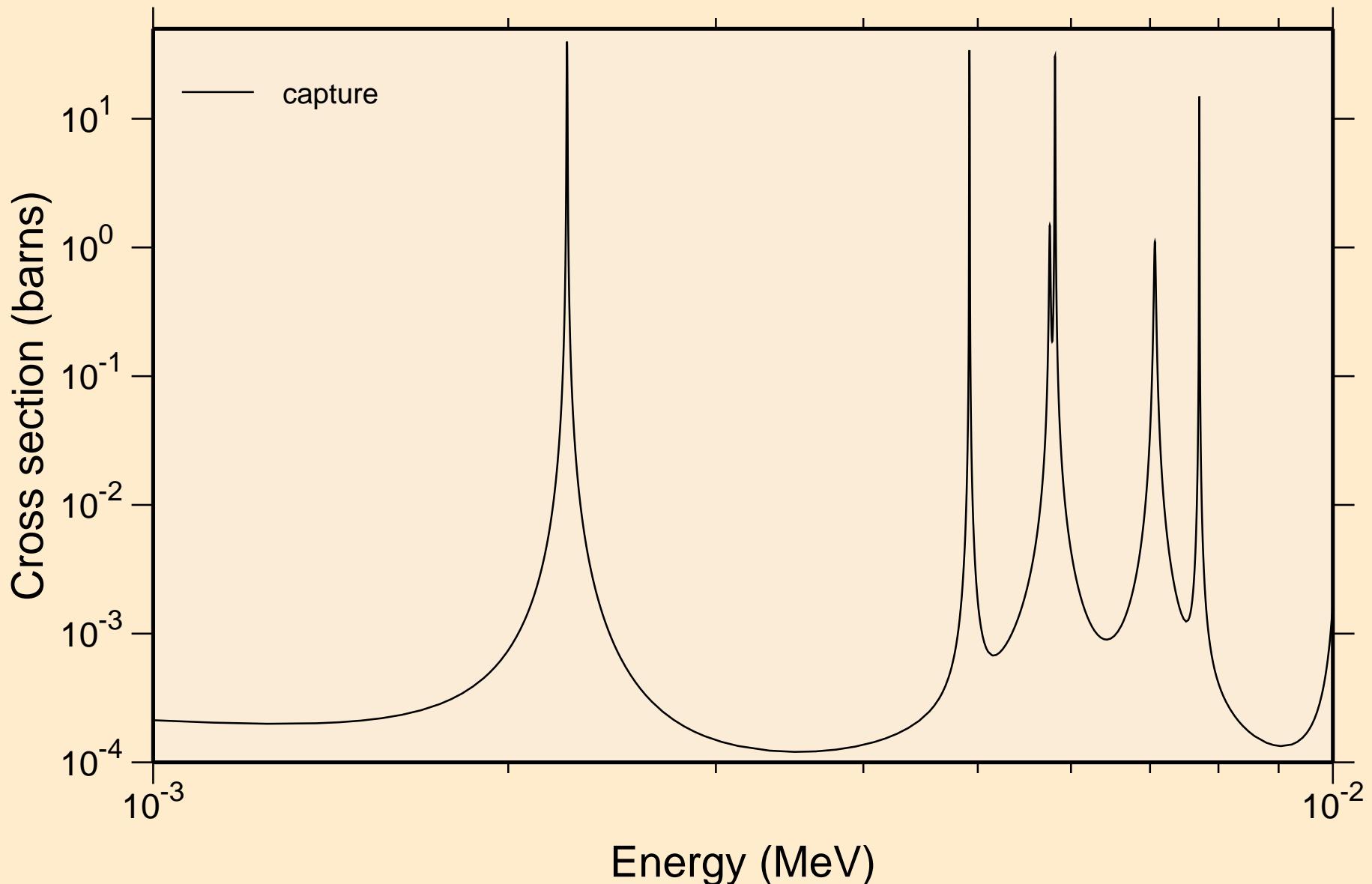


ENDF/B-VII ZR-94  
resonance total cross section

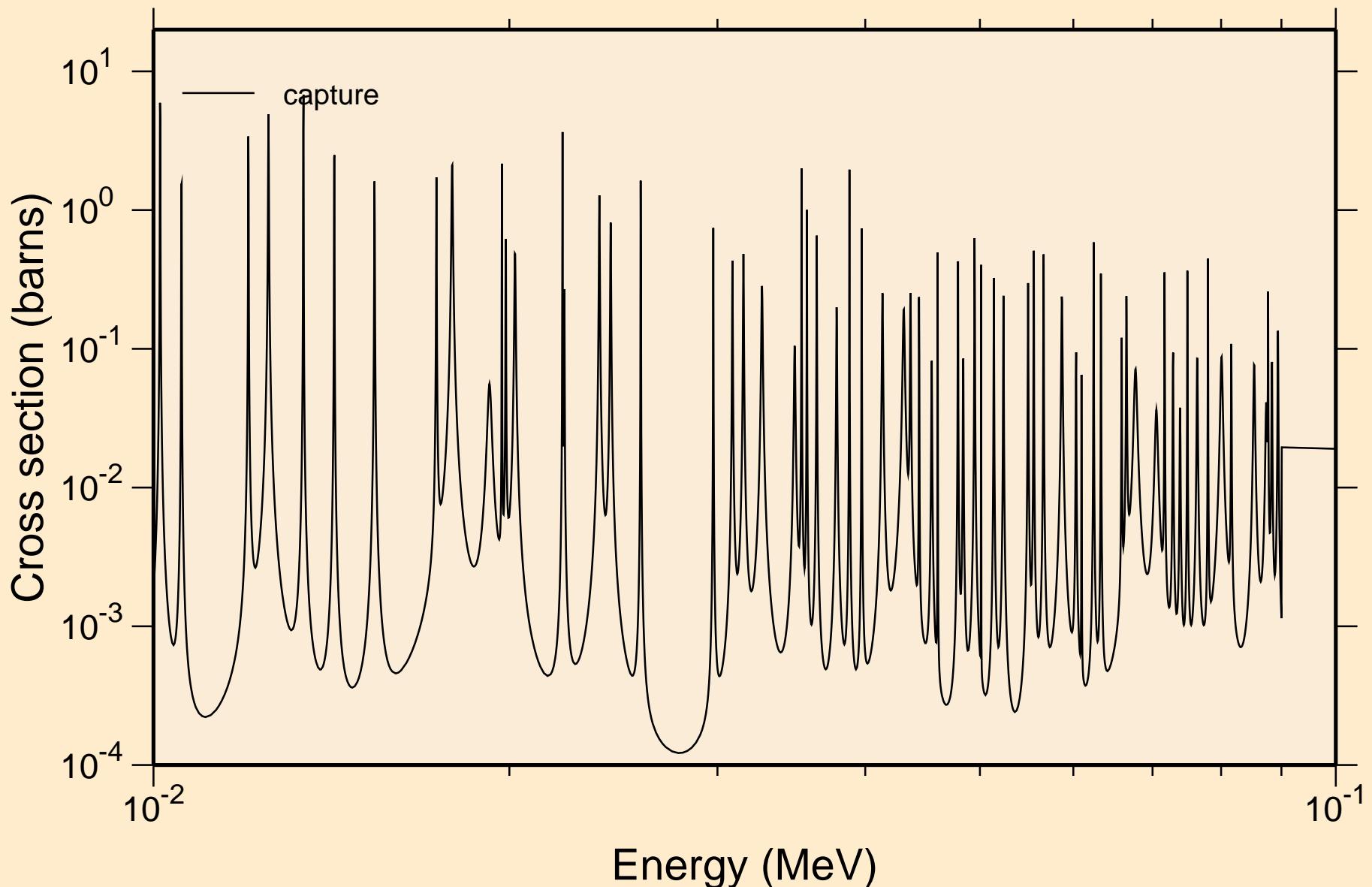


# ENDF/B-VII ZR-94

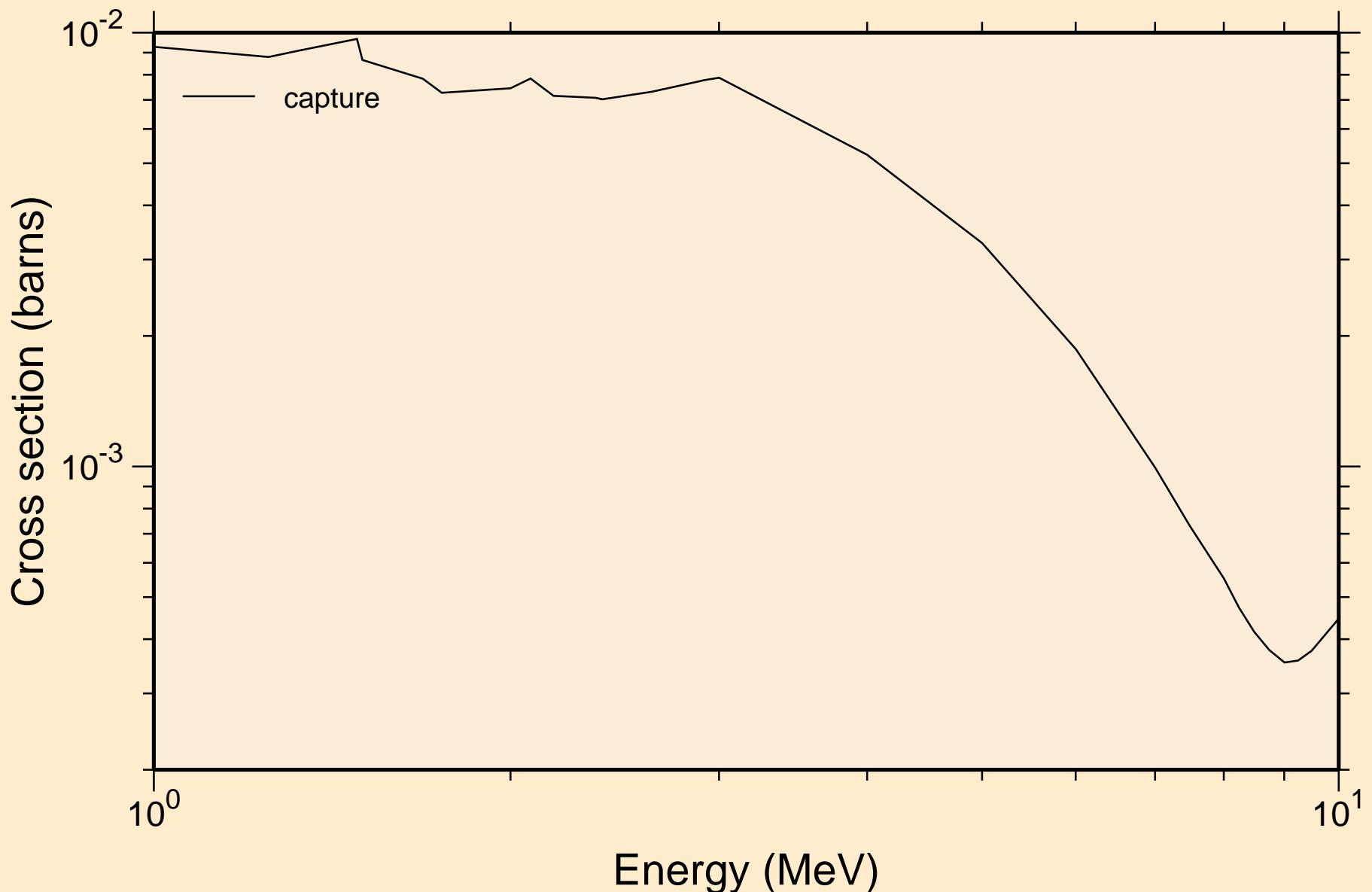
## resonance absorption cross sections



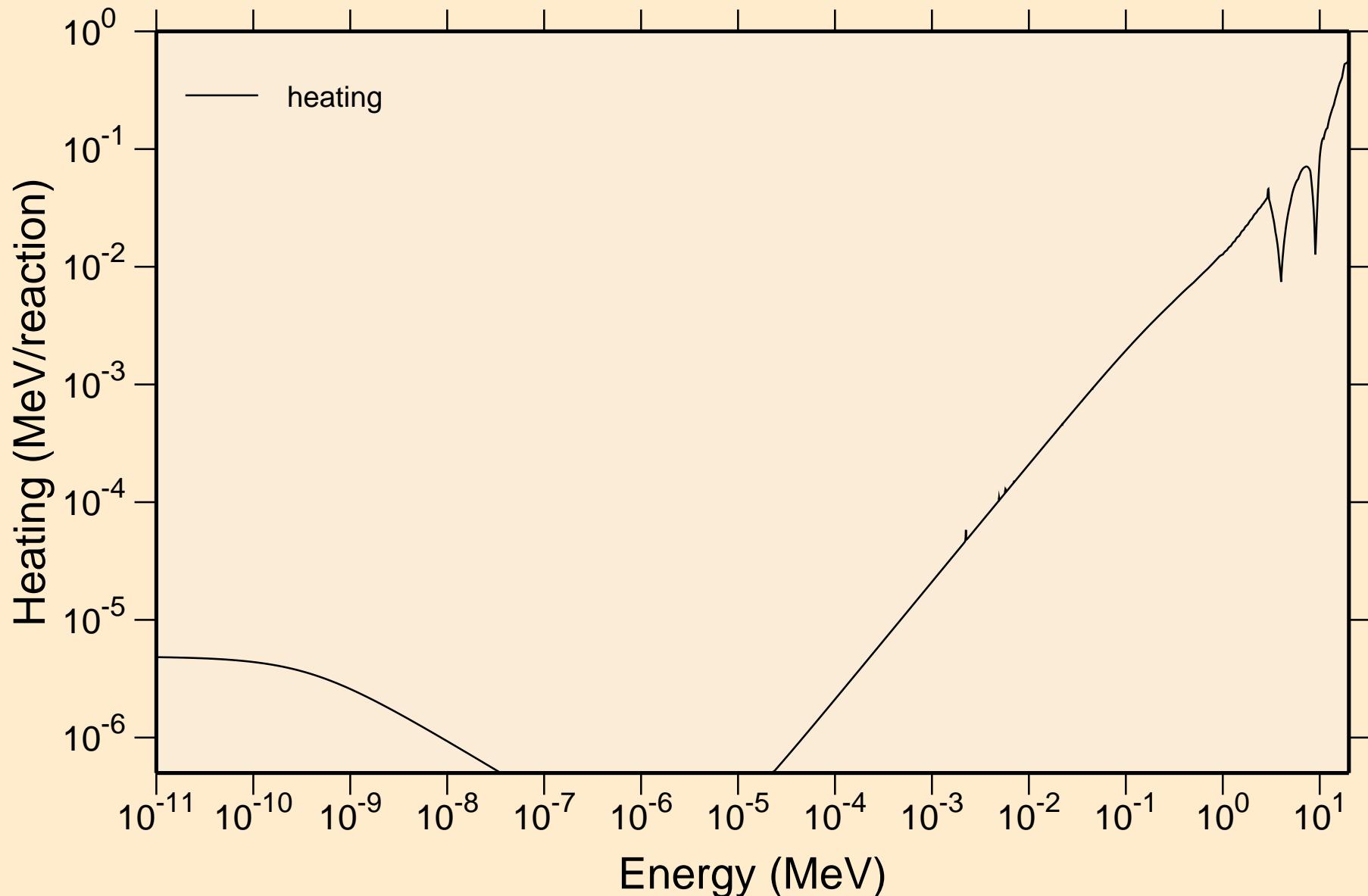
ENDF/B-VII ZR-94  
resonance absorption cross sections



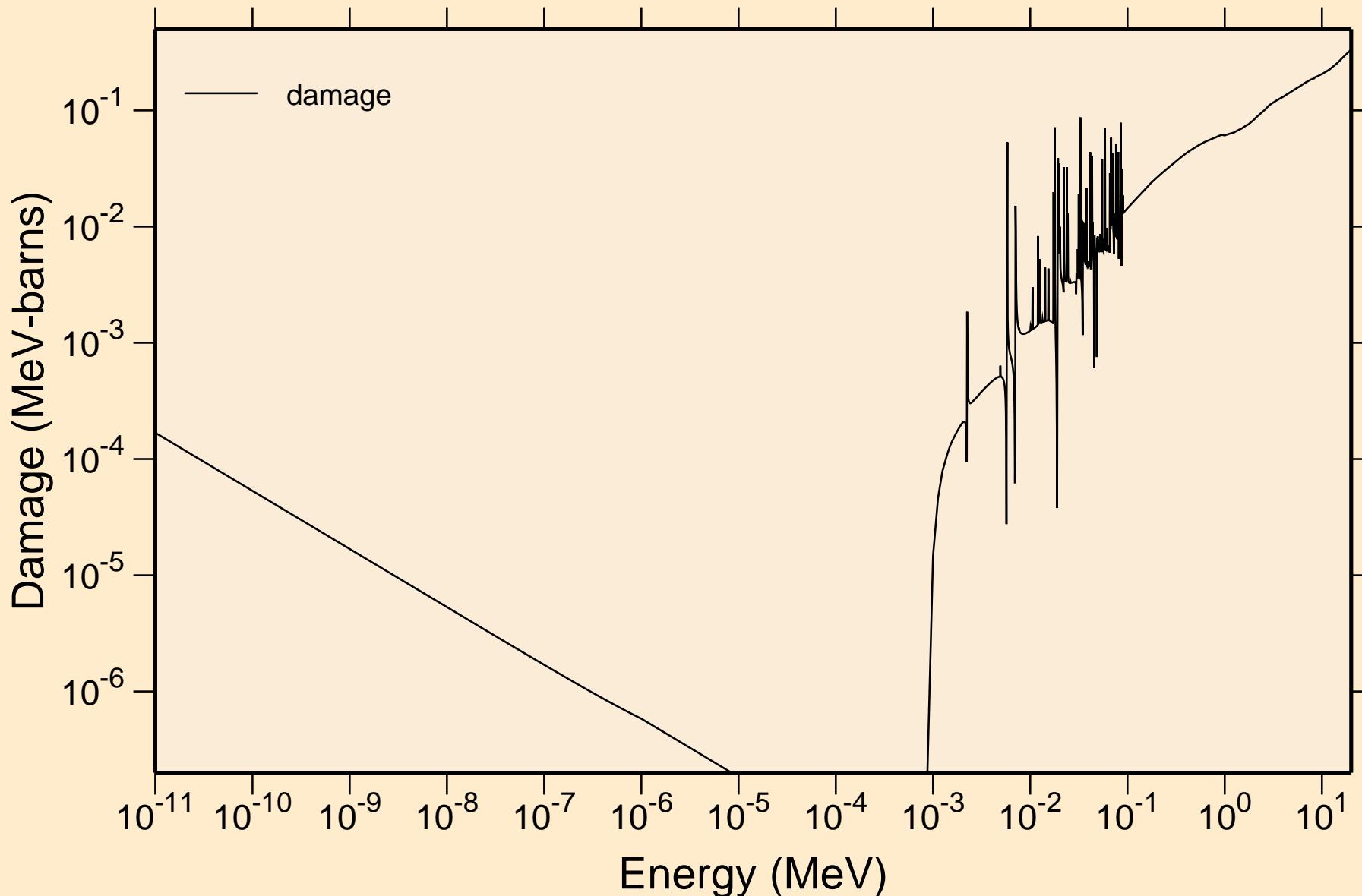
ENDF/B-VII ZR-94  
resonance absorption cross sections



ENDF/B-VII ZR-94  
Heating

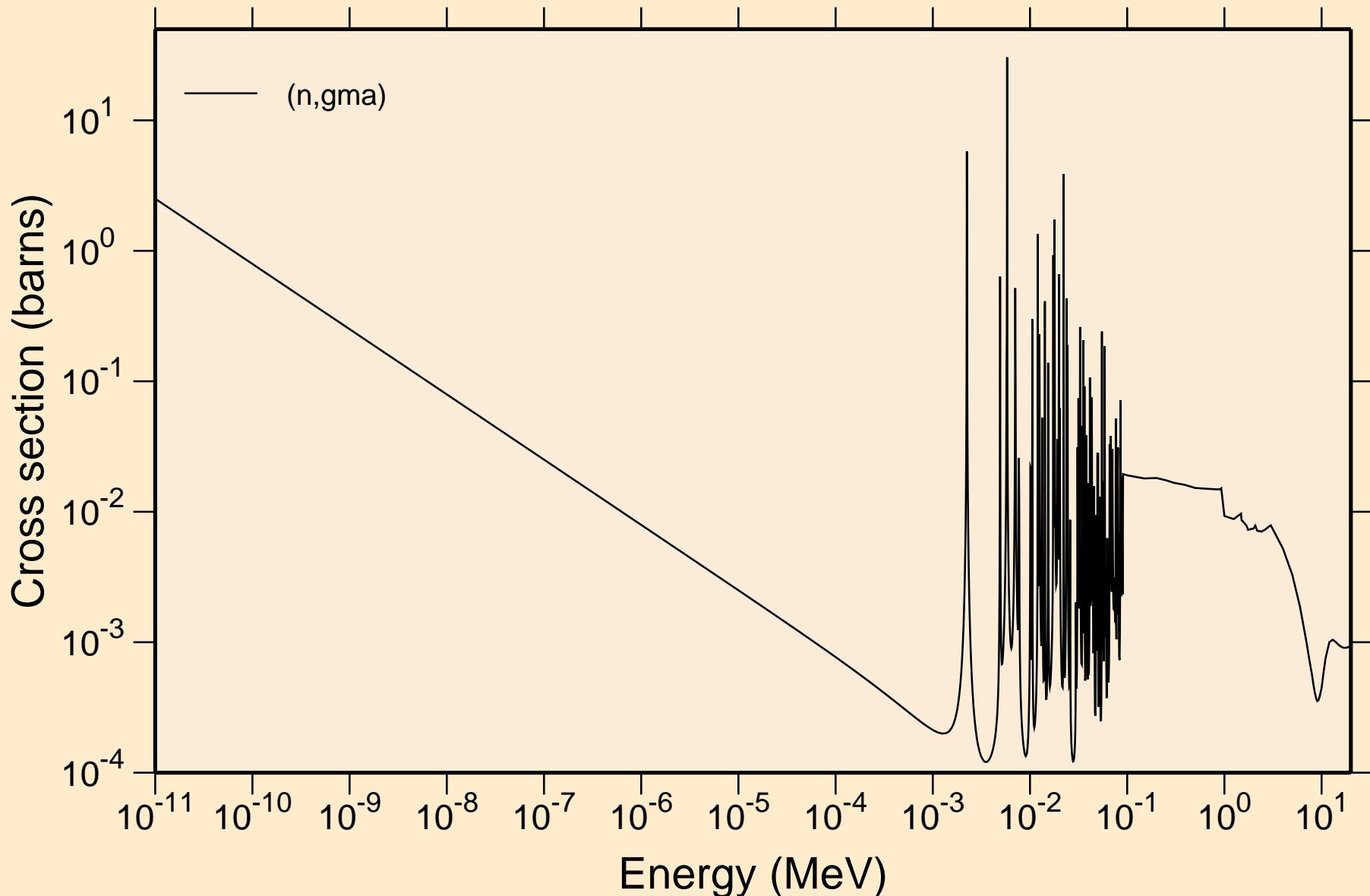


ENDF/B-VII ZR-94  
Damage



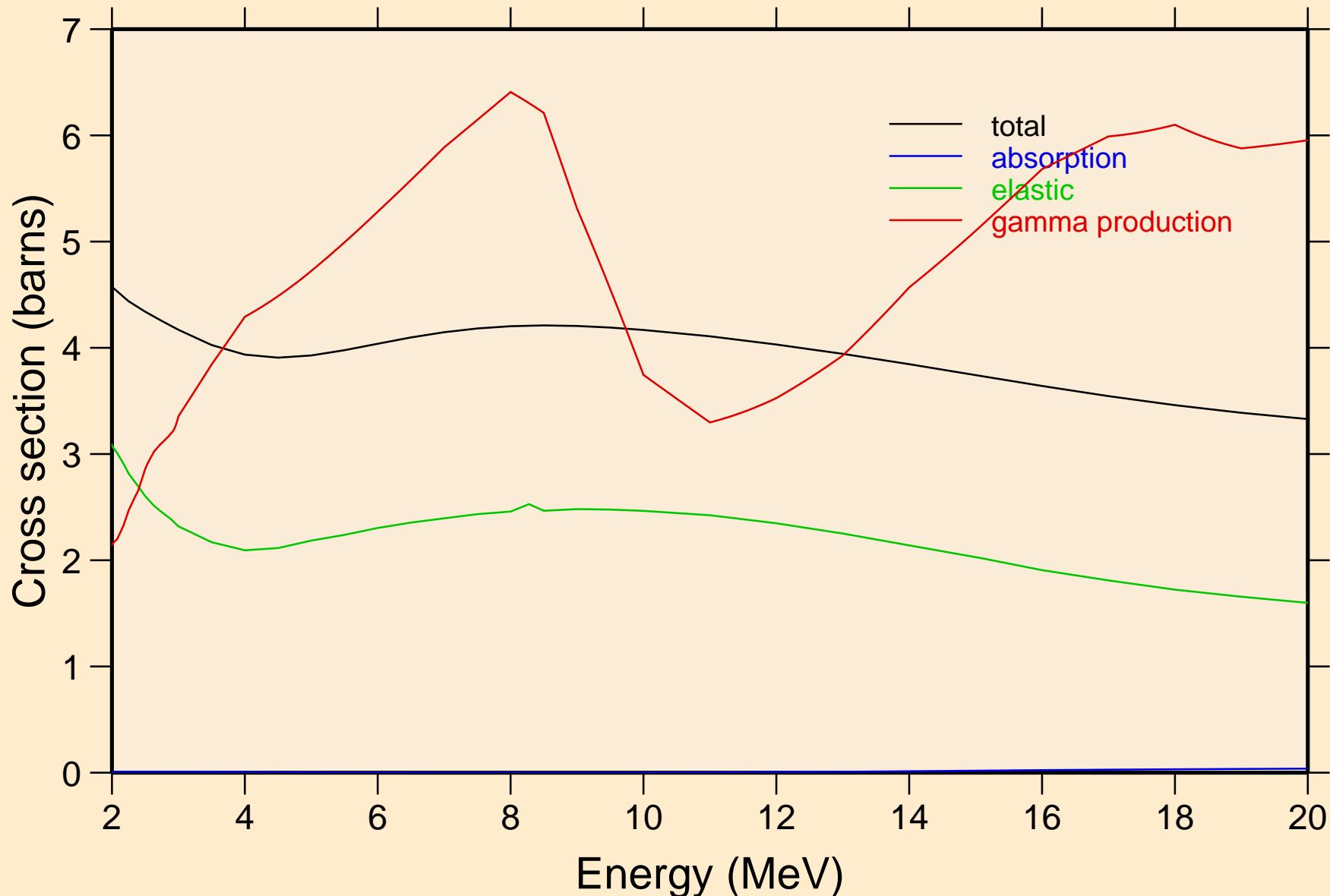
# ENDF/B-VII ZR-94

## Non-threshold reactions

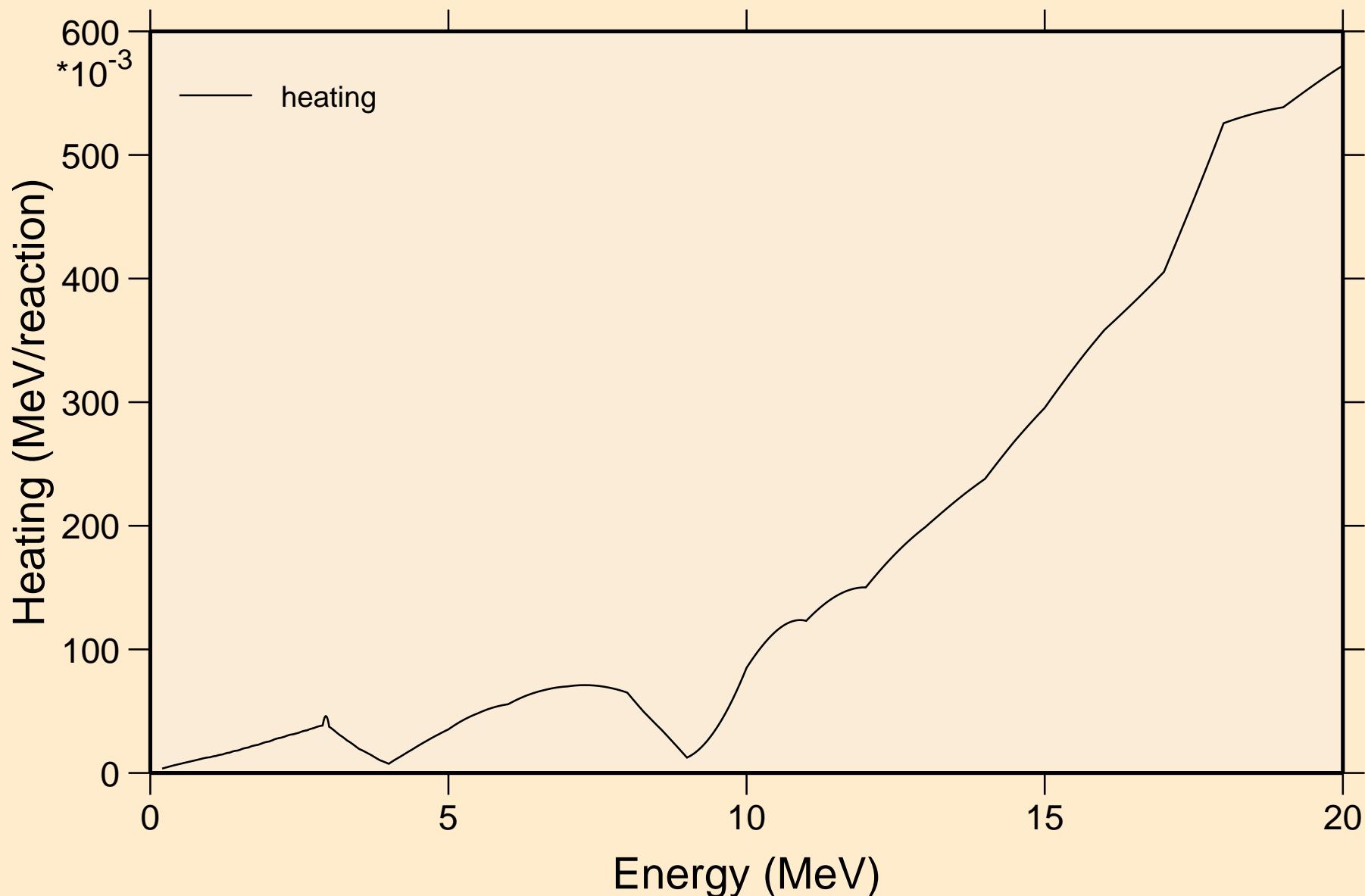


# ENDF/B-VII ZR-94

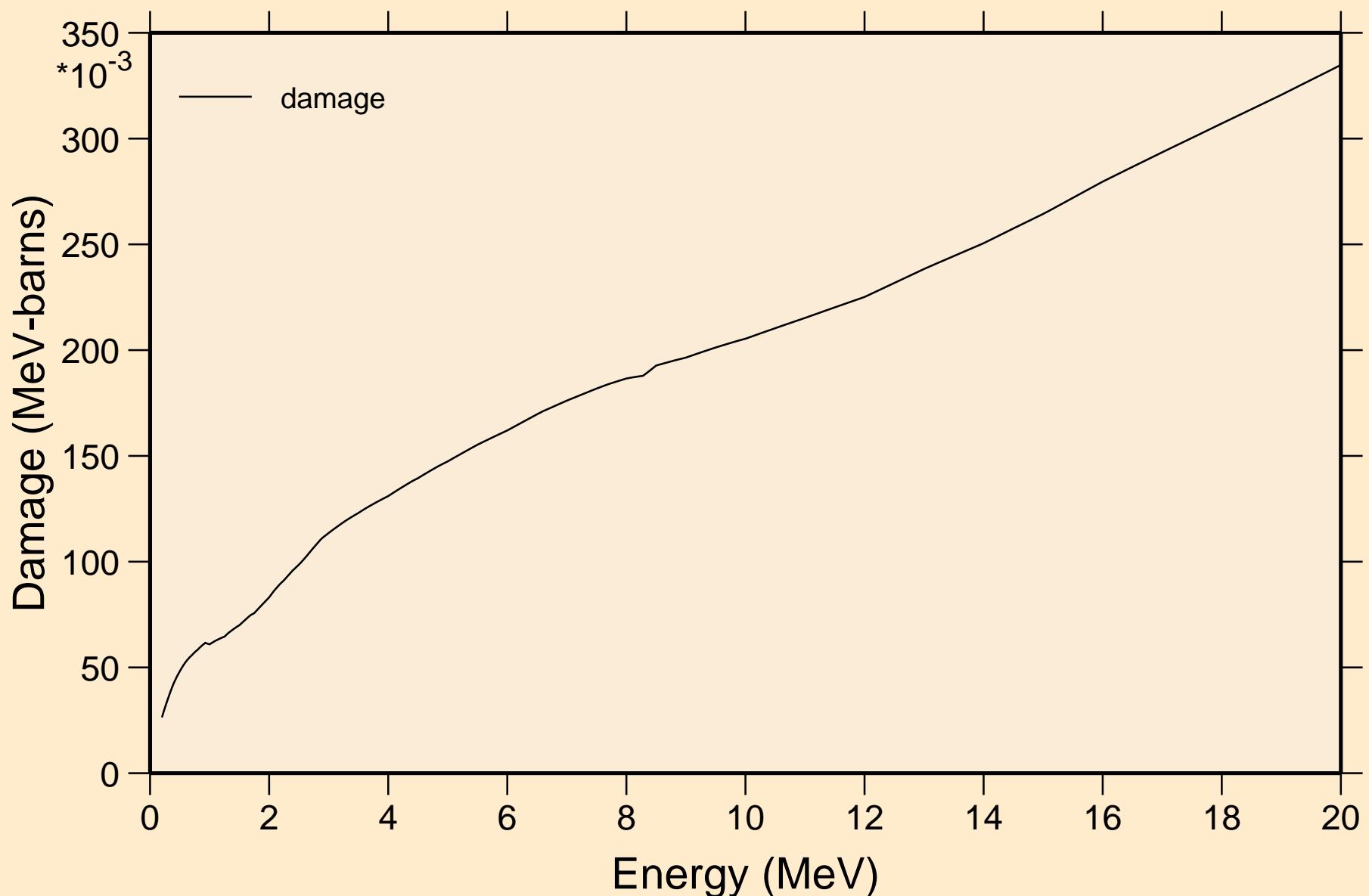
## Principal cross sections



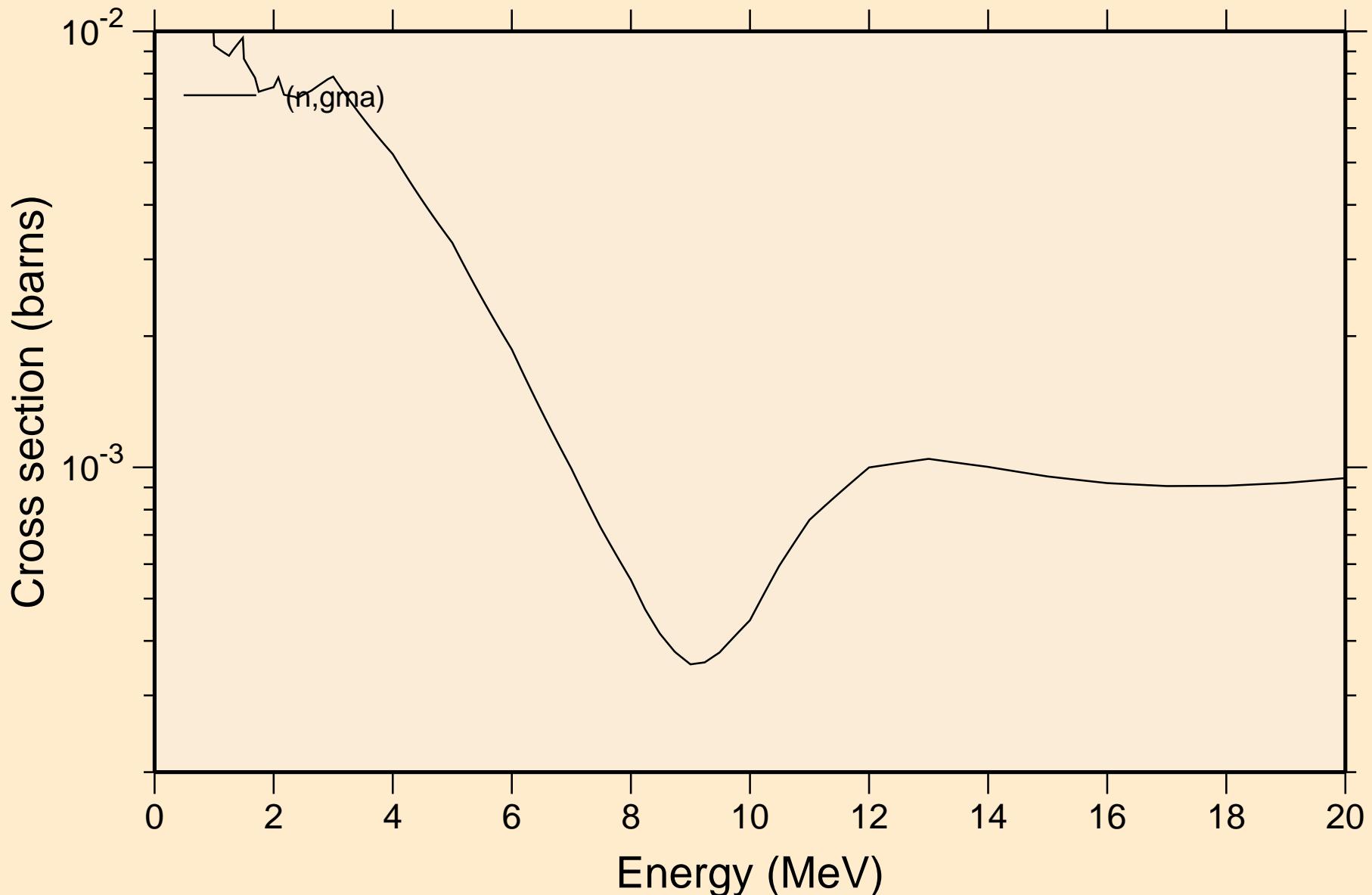
ENDF/B-VII ZR-94  
Heating



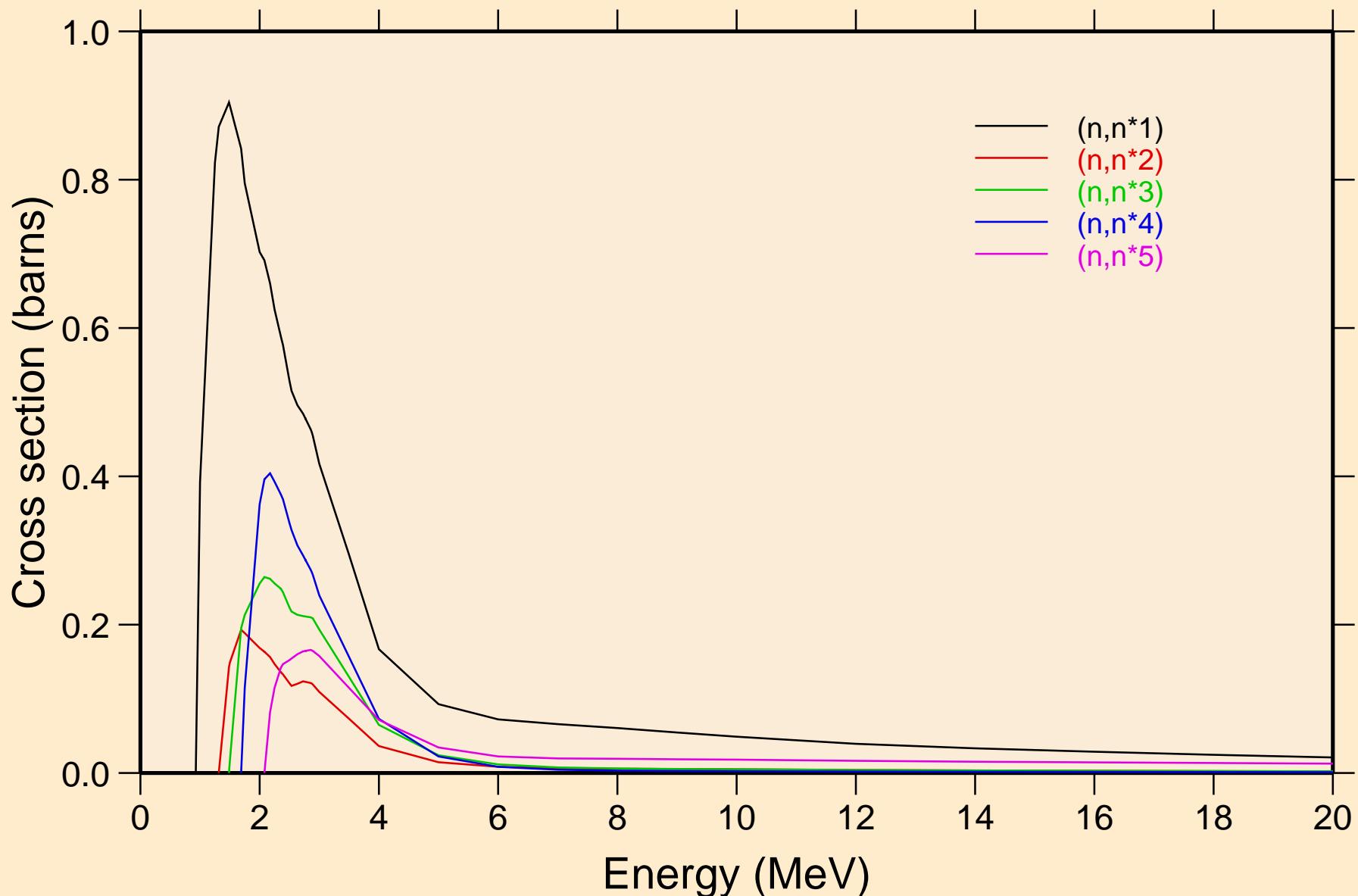
ENDF/B-VII ZR-94  
Damage



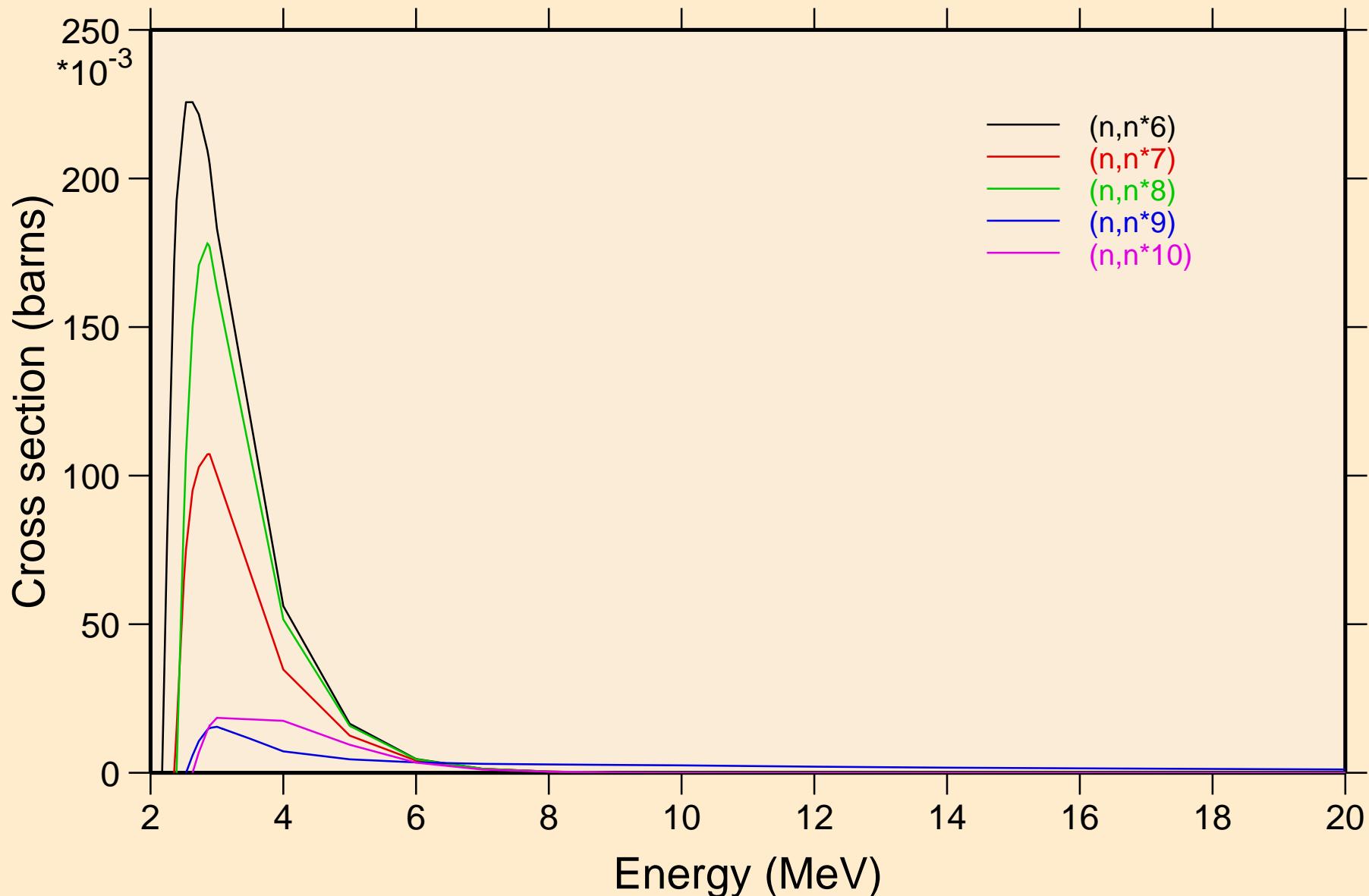
ENDF/B-VII ZR-94  
Non-threshold reactions



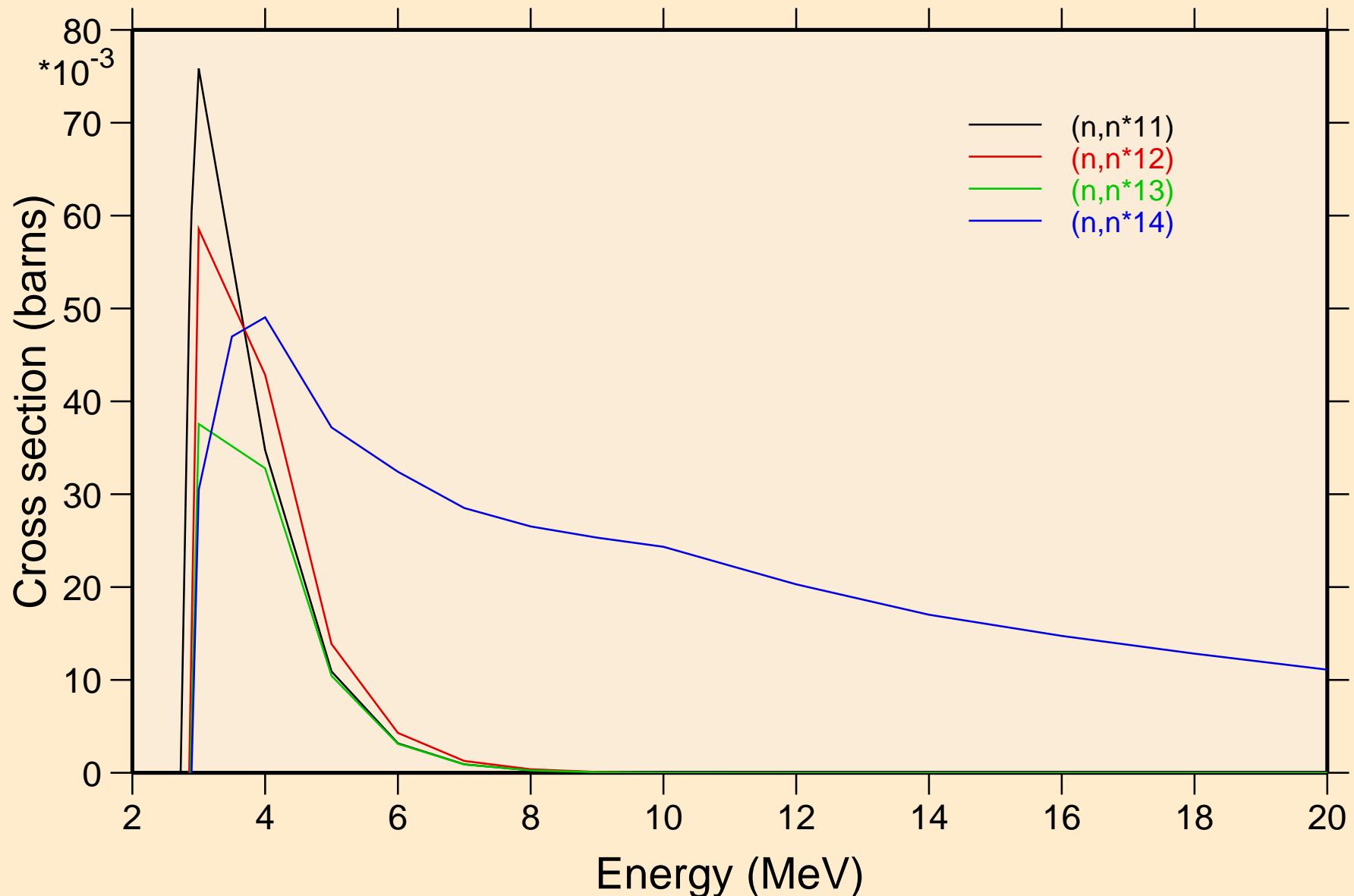
ENDF/B-VII ZR-94  
Inelastic levels



ENDF/B-VII ZR-94  
Inelastic levels

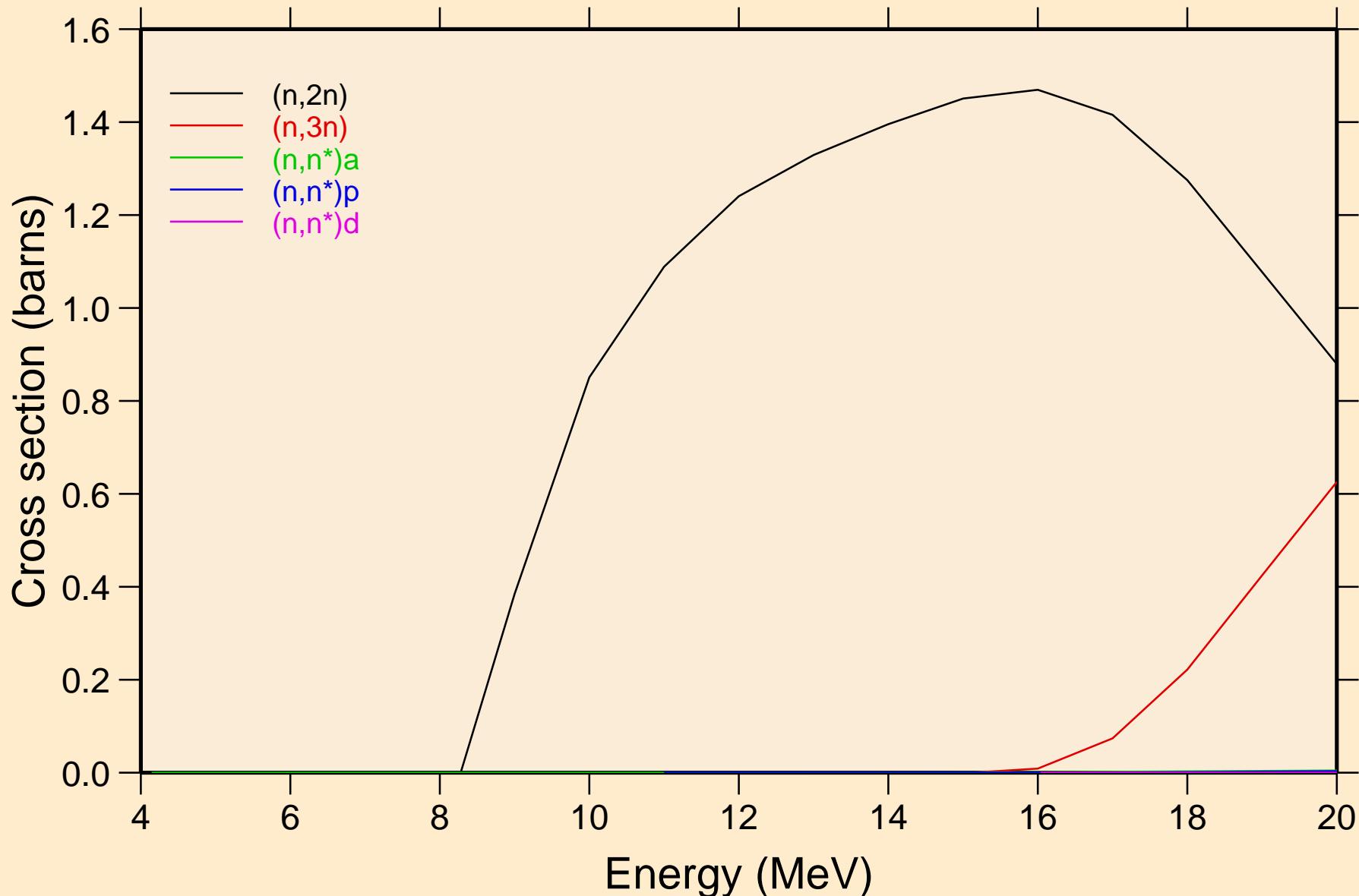


ENDF/B-VII ZR-94  
Inelastic levels



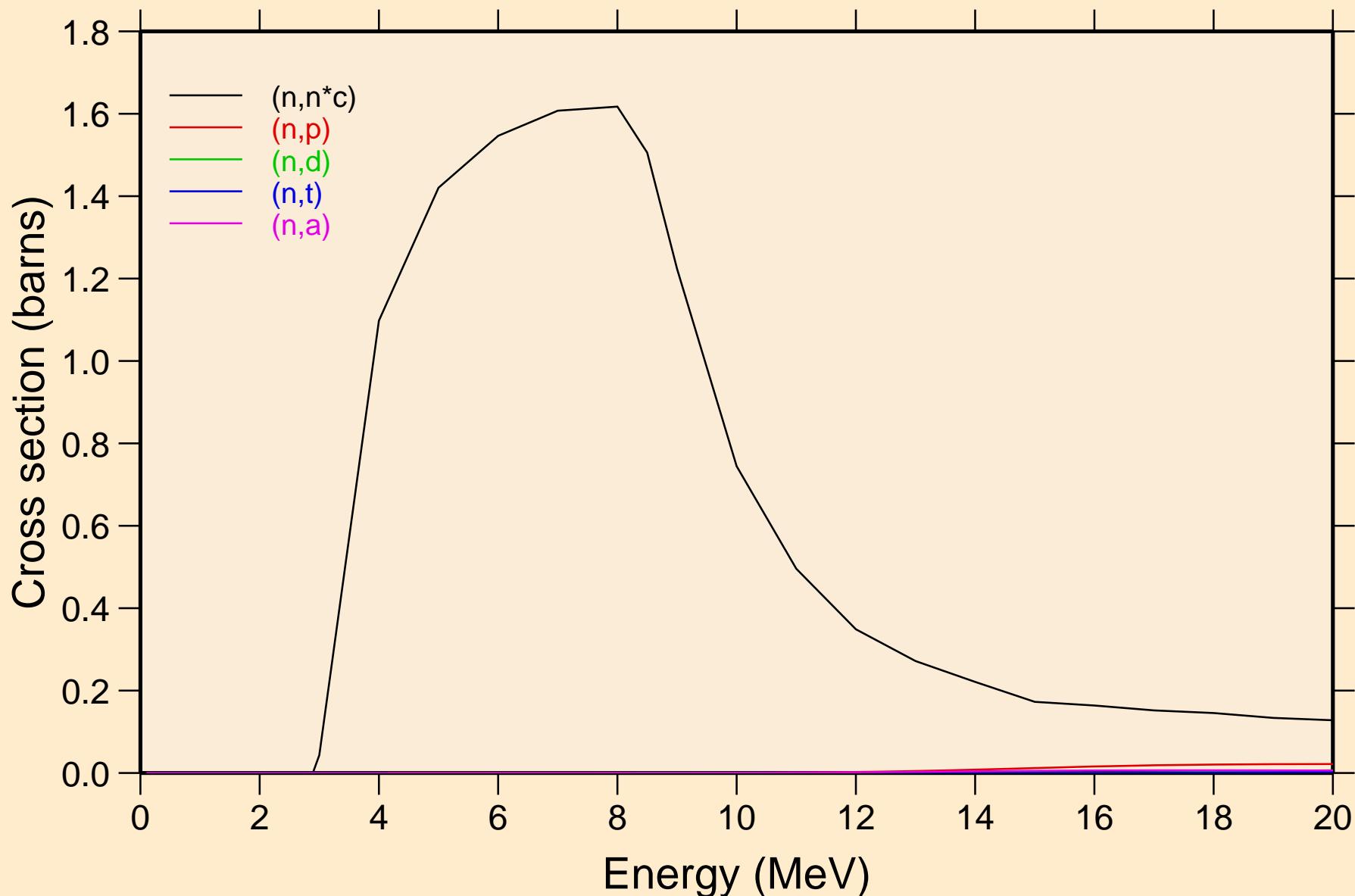
# ENDF/B-VII ZR-94

## Threshold reactions



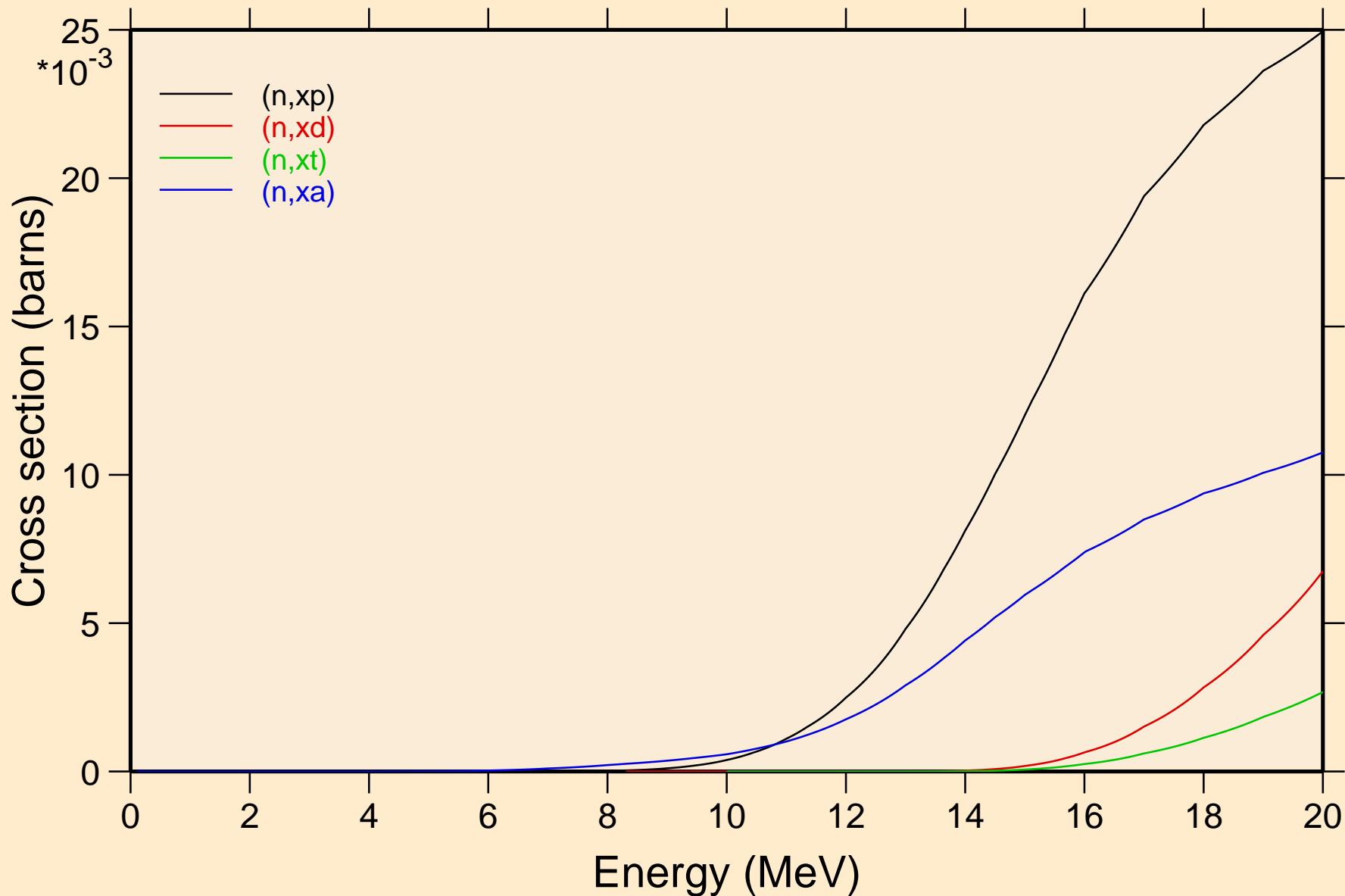
# ENDF/B-VII ZR-94

## Threshold reactions



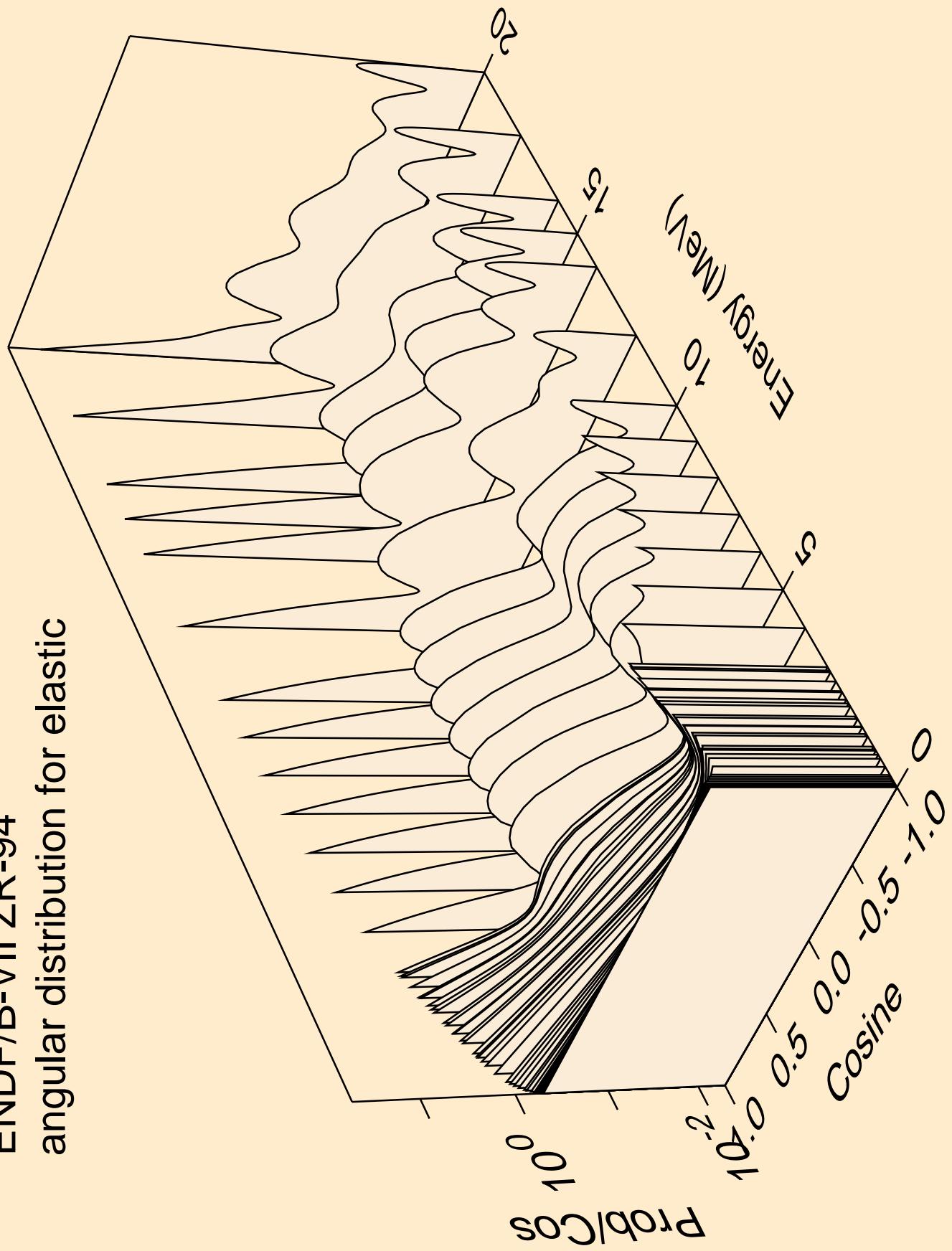
# ENDF/B-VII ZR-94

## Threshold reactions



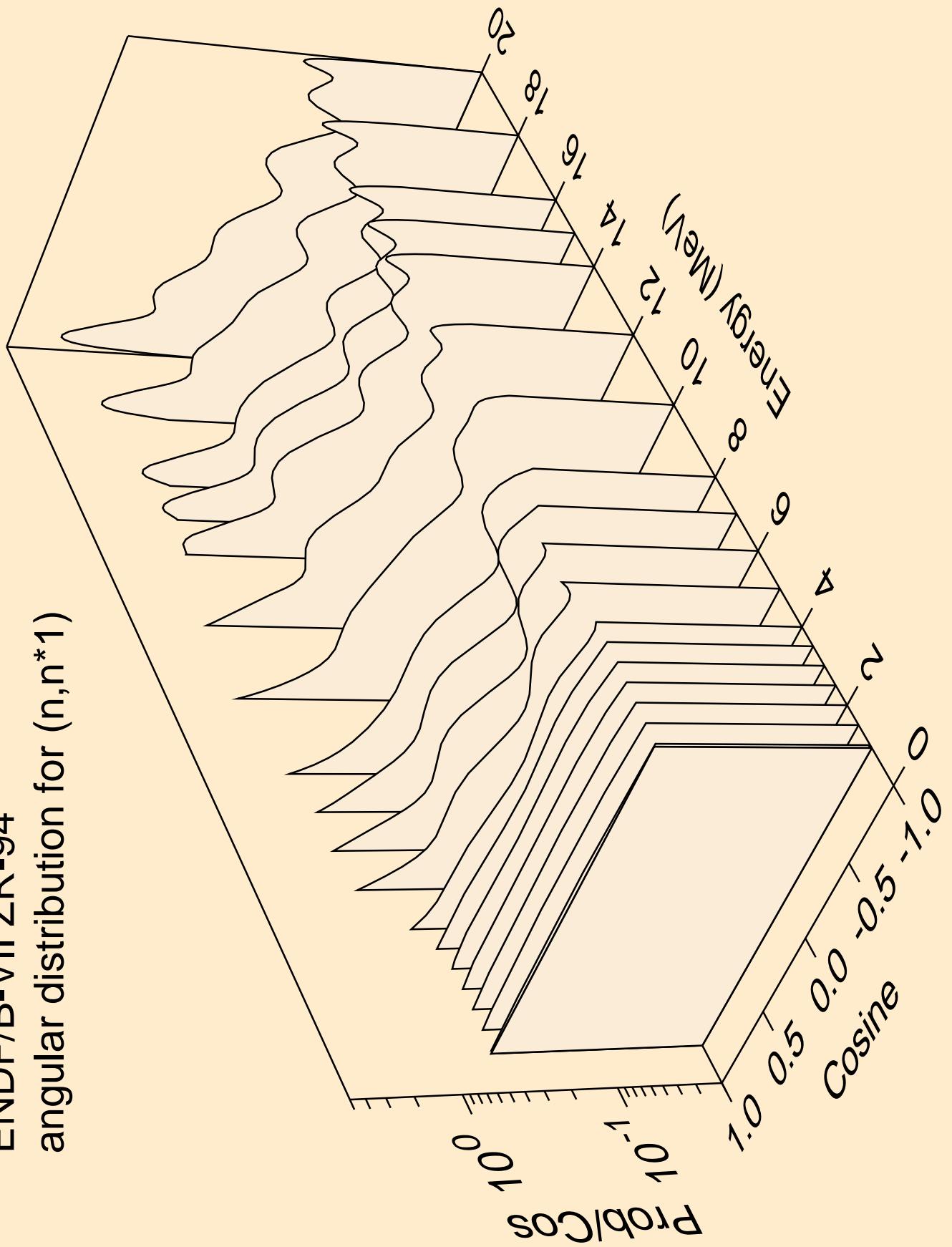
ENDF/B-VII ZR-94

angular distribution for elastic



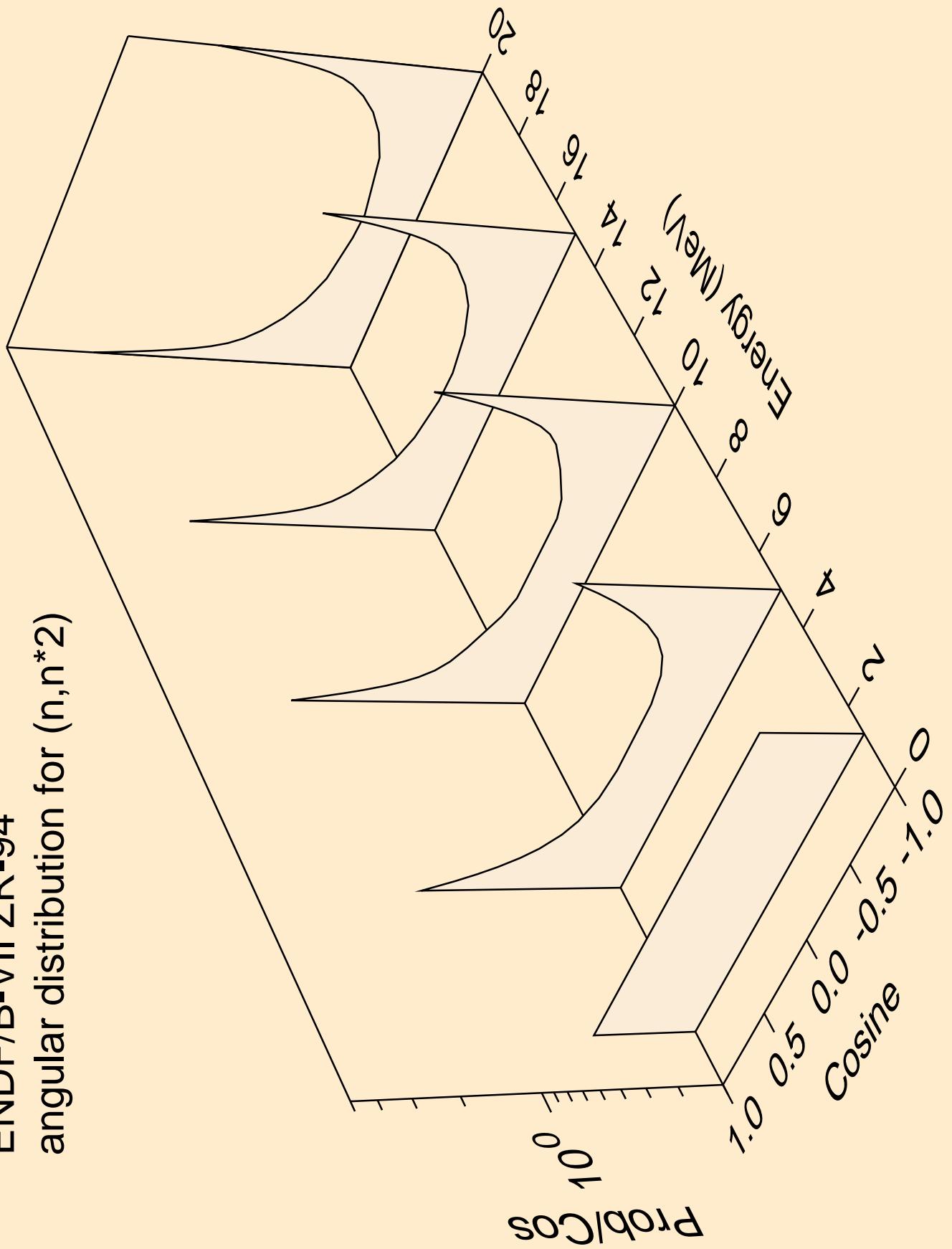
ENDF/B-VII ZR-94

angular distribution for  $(n, n^*)$



ENDF/B-VII ZR-94

angular distribution for ( $n,n^*2$ )



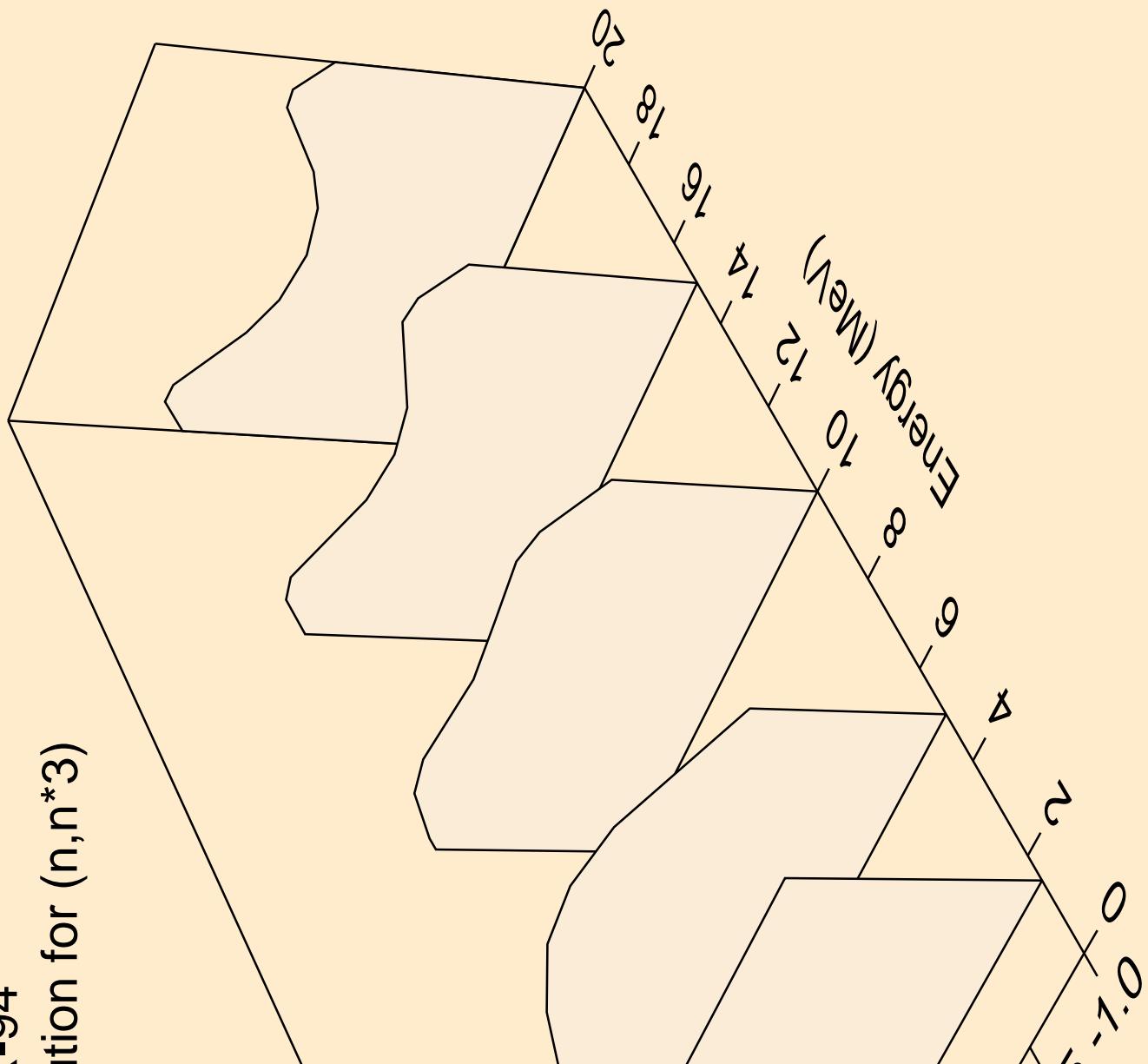
ENDF/B-VII ZR-94

angular distribution for (n,n\*3)

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



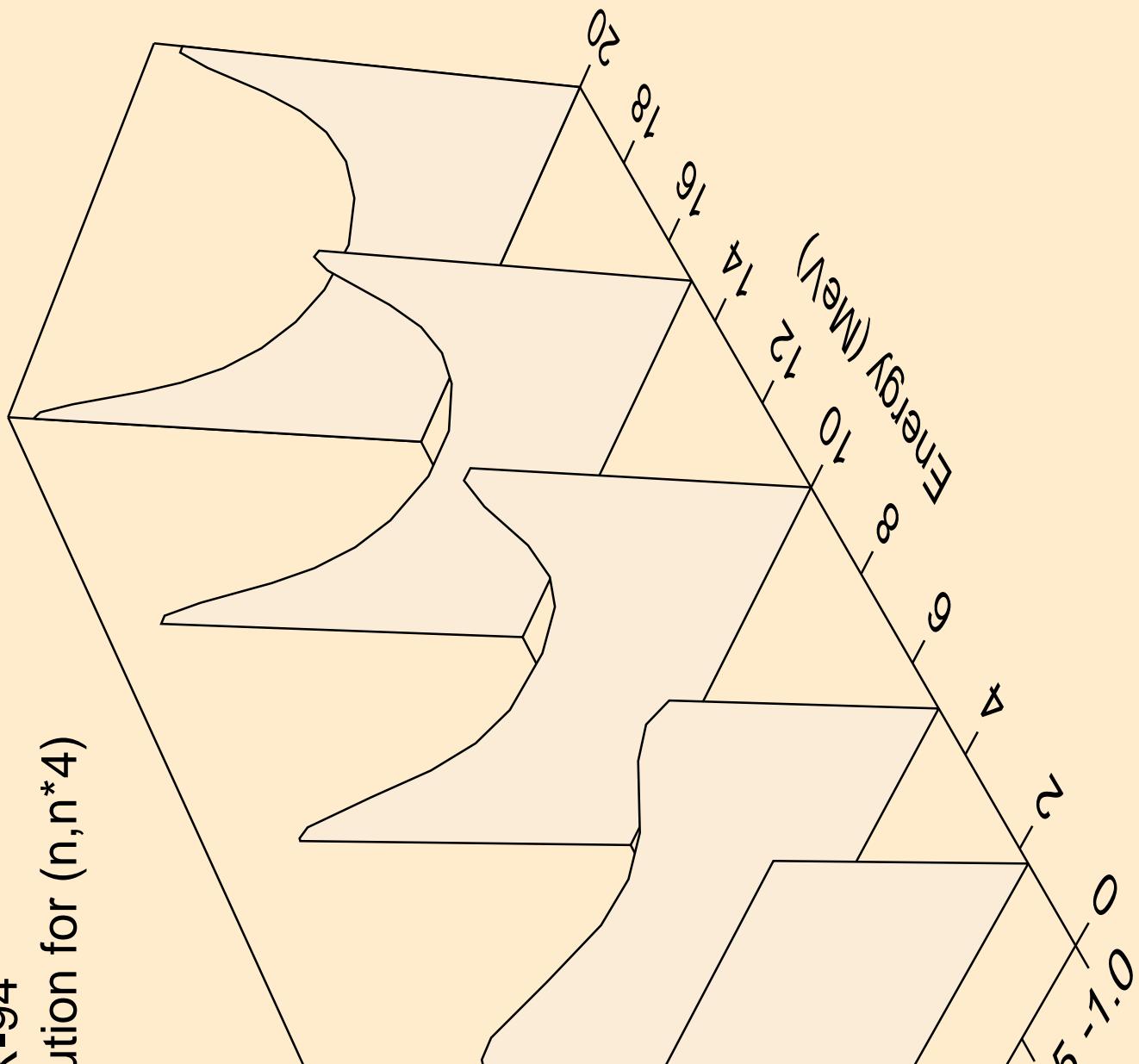
ENDF/B-VII ZR-94

angular distribution for  $(n,n^*4)$

$10^0$

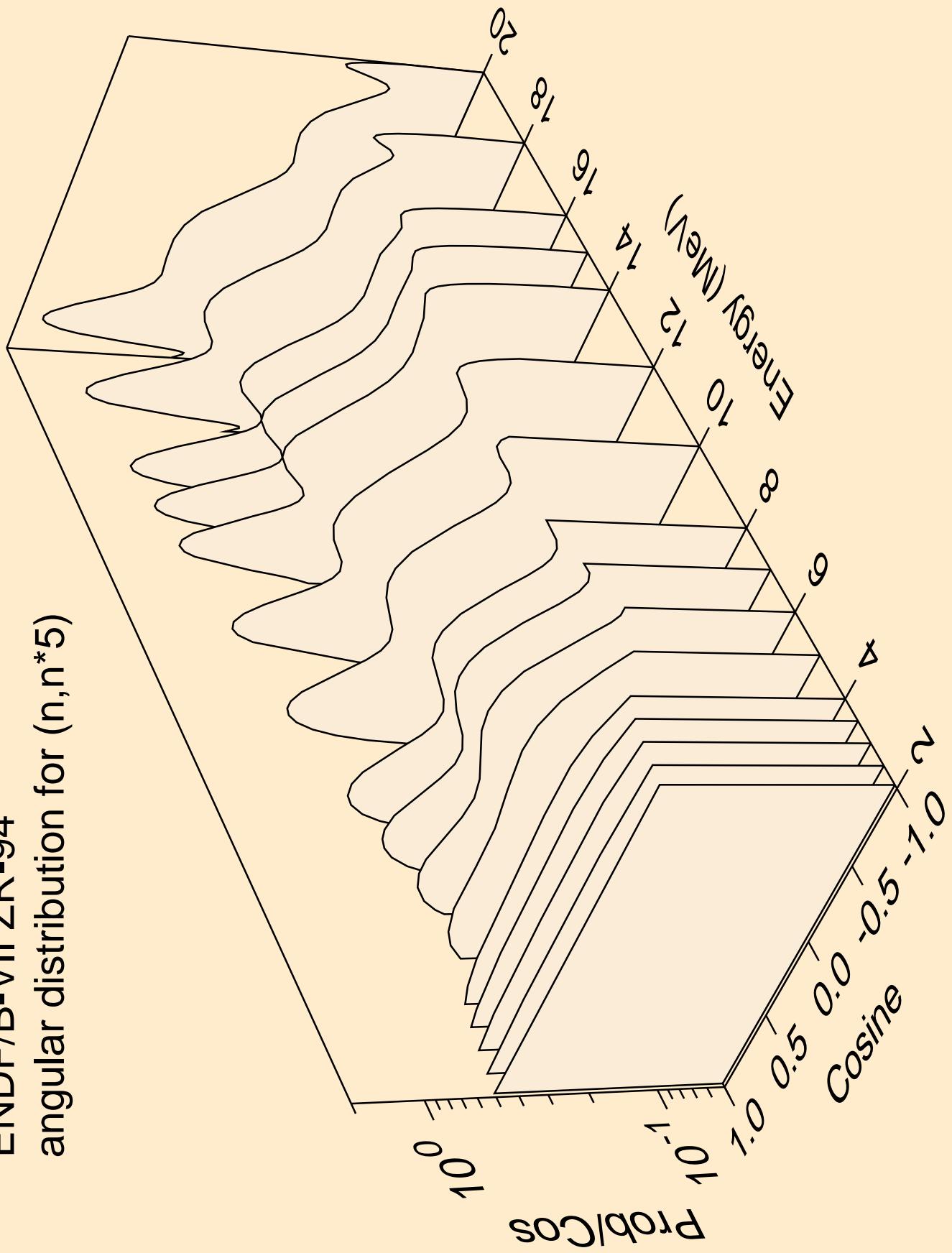
Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine



ENDF/B-VII ZR-94

angular distribution for ( $n,n^*5$ )



ENDF/B-VII ZR-94

angular distribution for  $(n,n^*6)$

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII ZR-94

angular distribution for ( $n,n^*7$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

8

6

4

2

0

20

18

16

14

12

10

8

6

4

2

0

ENDF/B-VII ZR-94

angular distribution for  $(n,n^*8)$

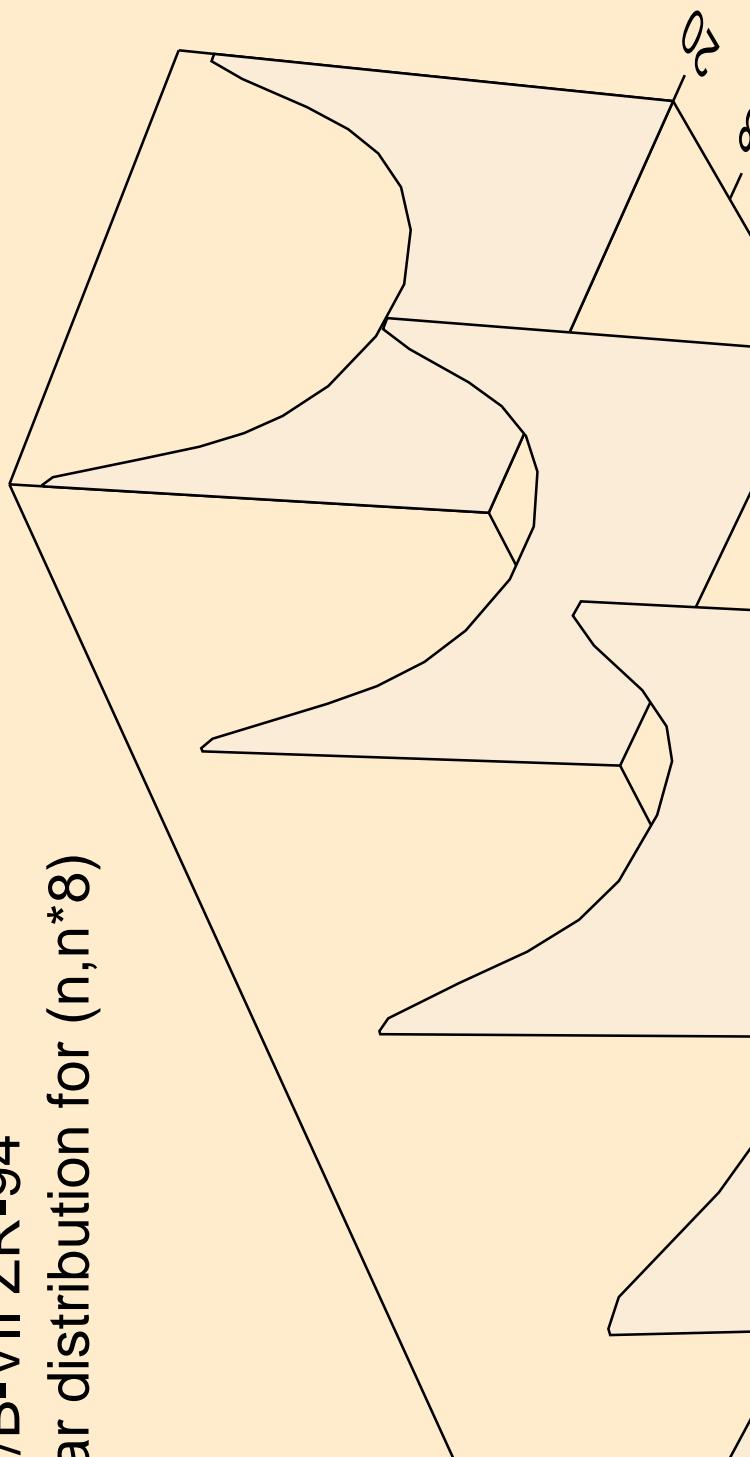
$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

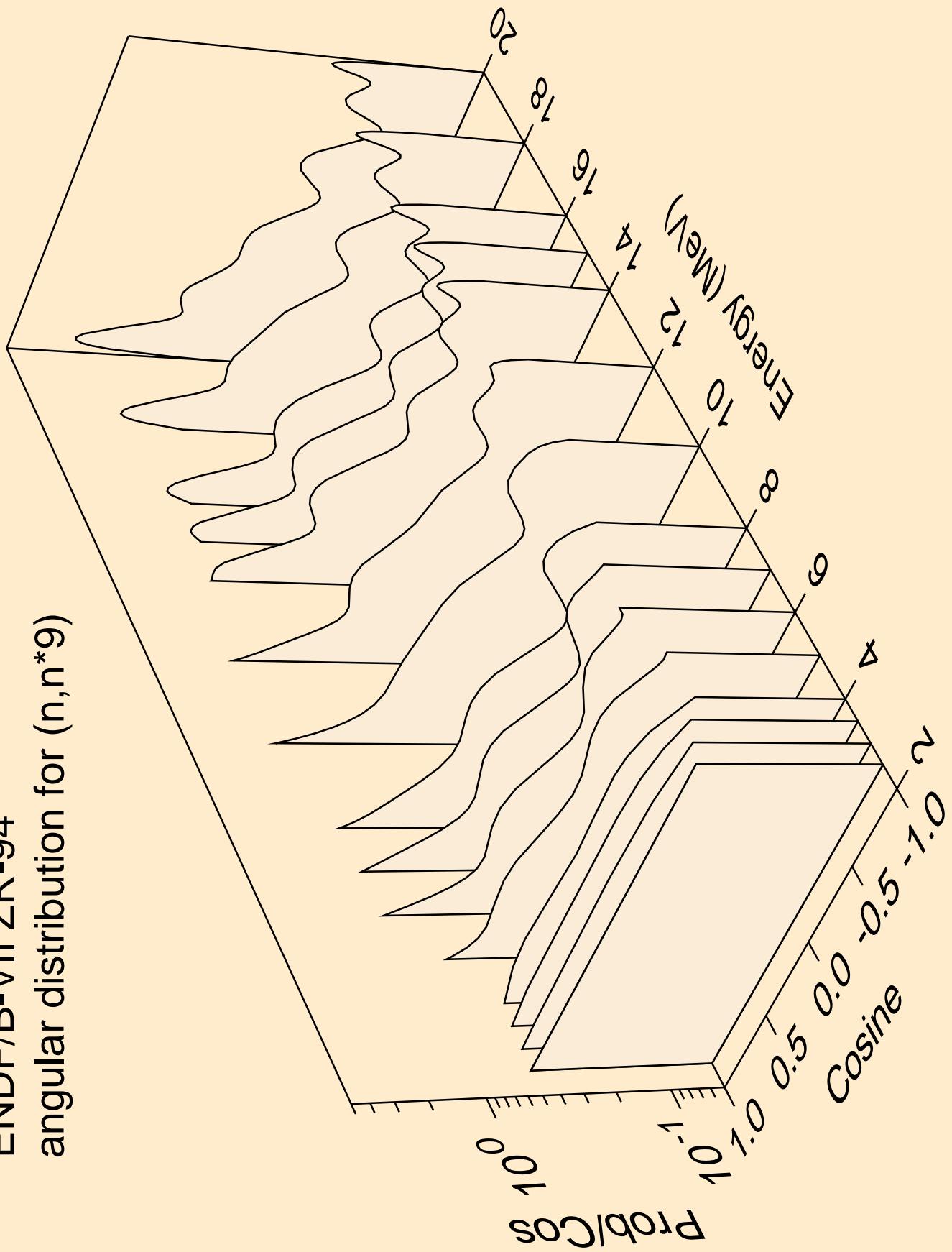
Energy (MeV)

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0



ENDF/B-VII ZR-94

angular distribution for (n,n<sup>\*</sup>g)



ENDF/B-VII ZR-94

angular distribution for (n,n\*10)

$10^0$

Prob/Cos

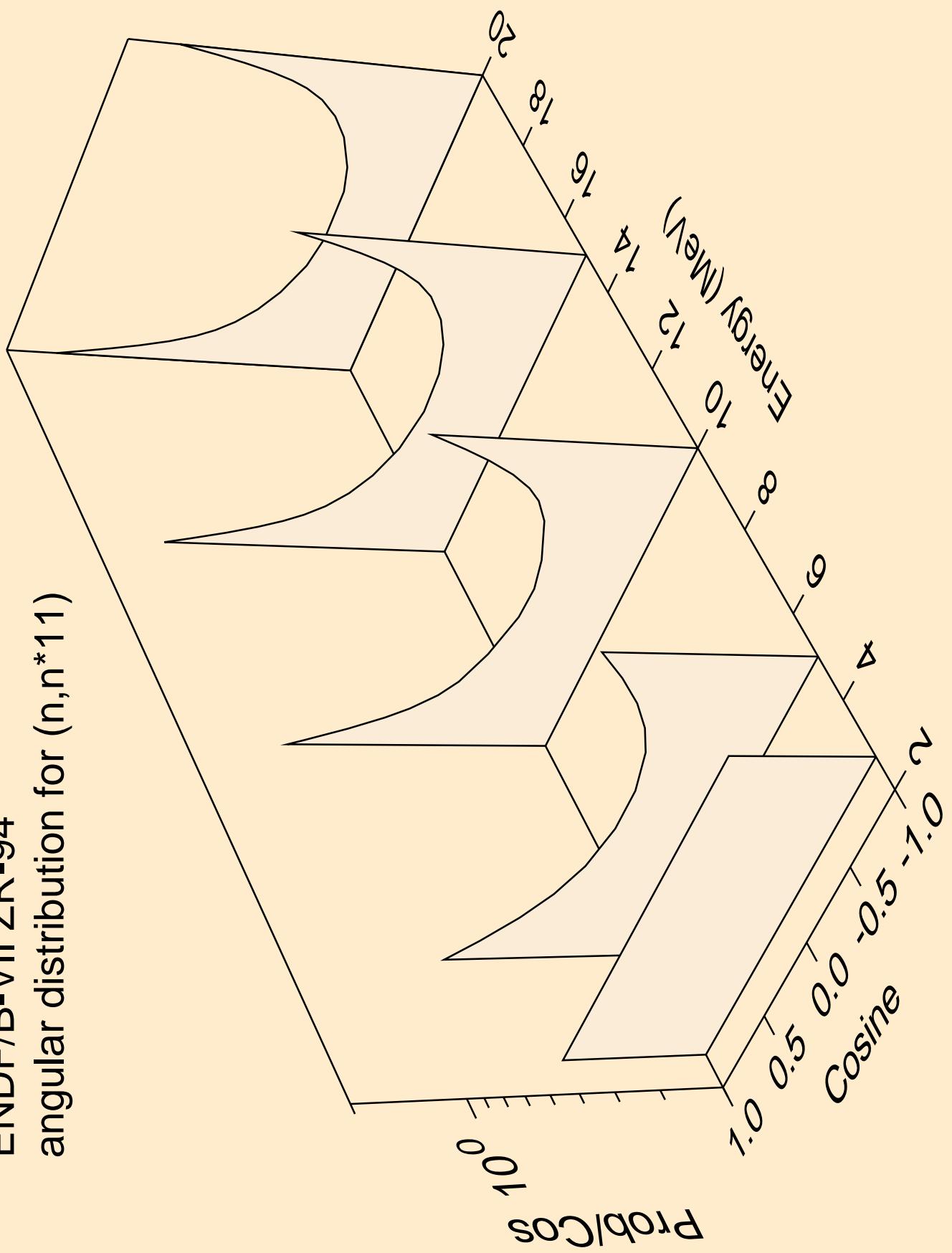
1.0 0.5 0.0 -0.5 -1.0  
Cosine

20  
18  
16  
14  
12  
10  
8  
6  
4  
2  
0

Energy (MeV)

ENDF/B-VII ZR-94

angular distribution for ( $n,n^*111$ )



ENDF/B-VII ZR-94

angular distribution for ( $n,n^*12$ )

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

Energy (MeV)

20

18

16

14

12

10

8

6

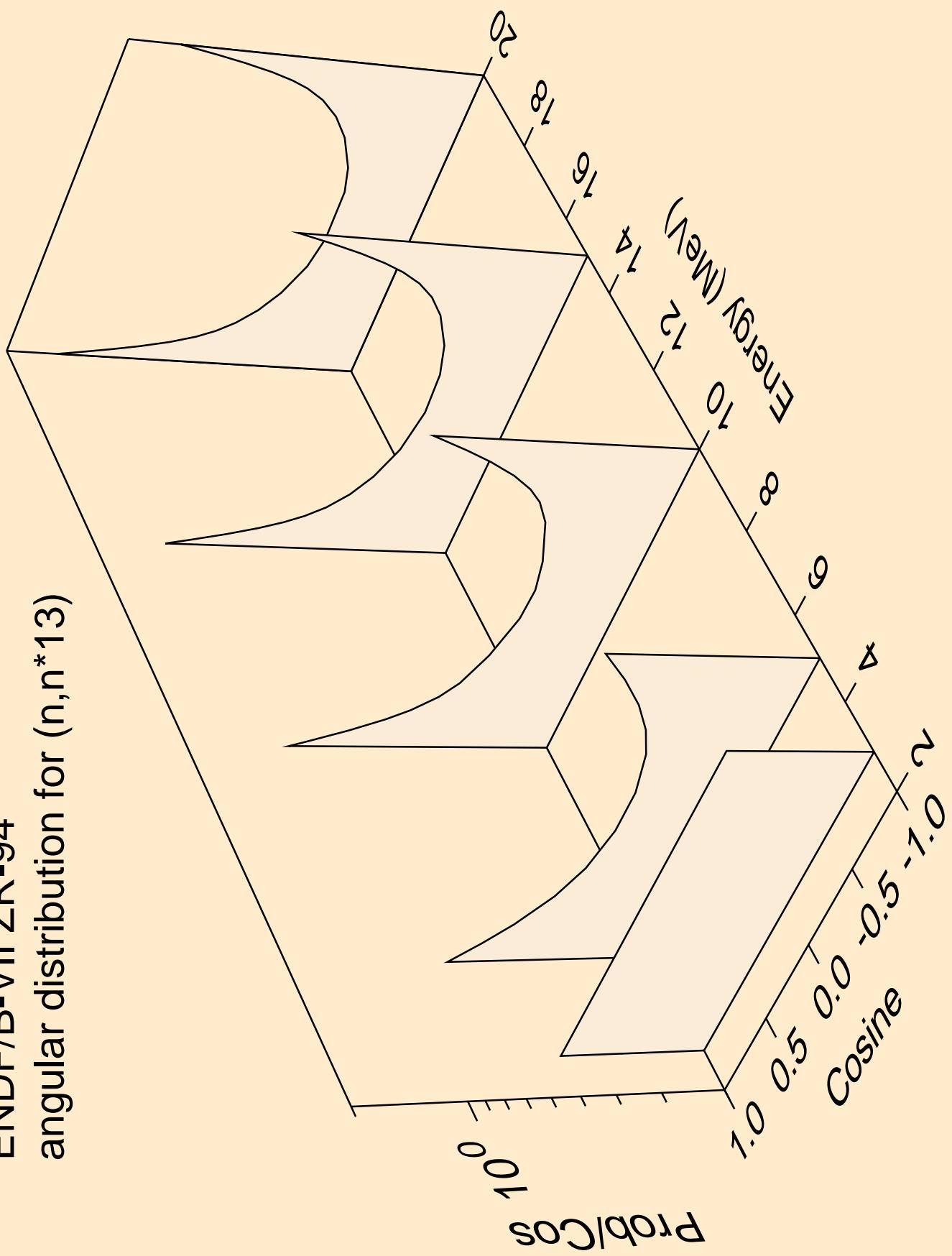
4

2

0

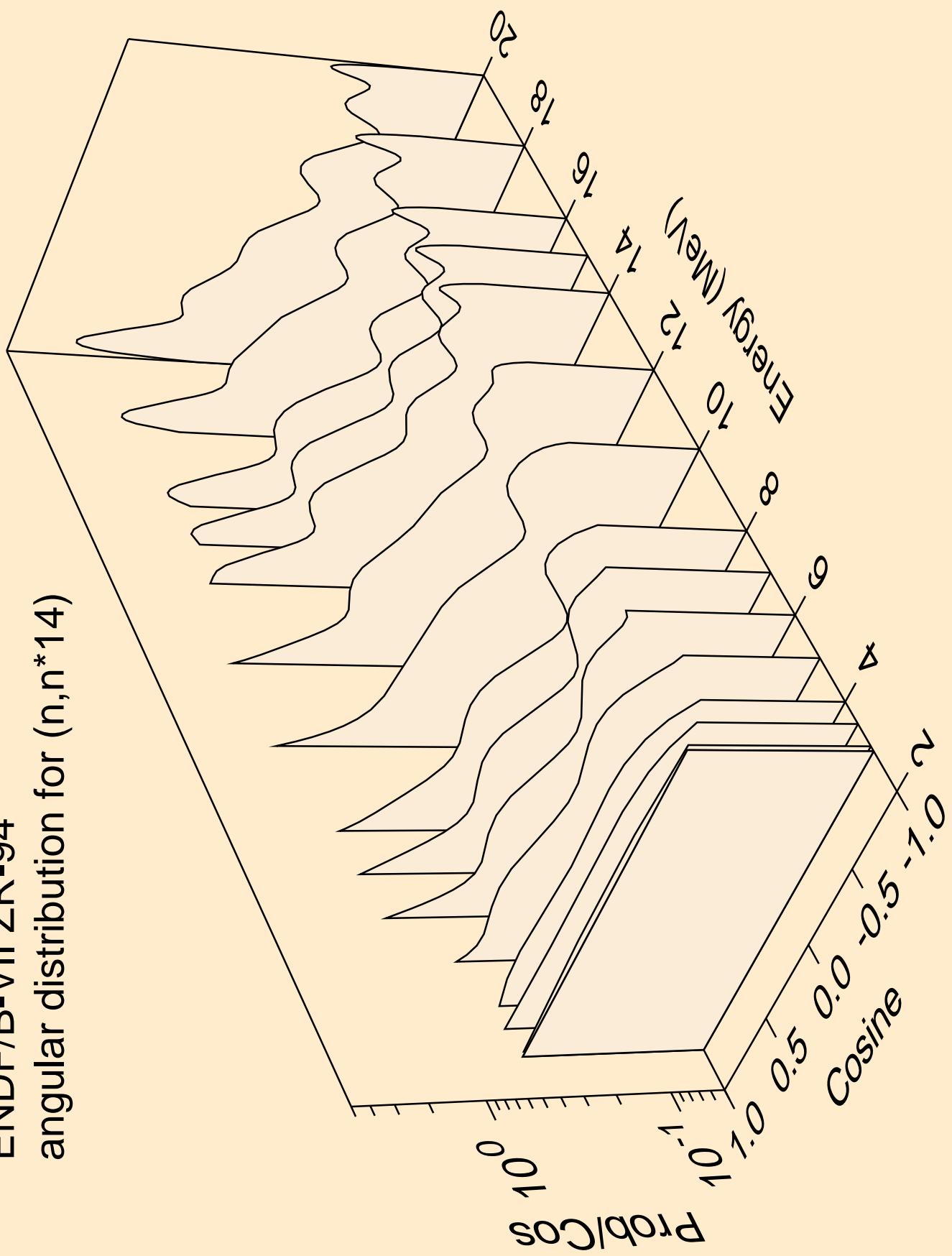
ENDF/B-VII ZR-94

angular distribution for (n,n\*13)



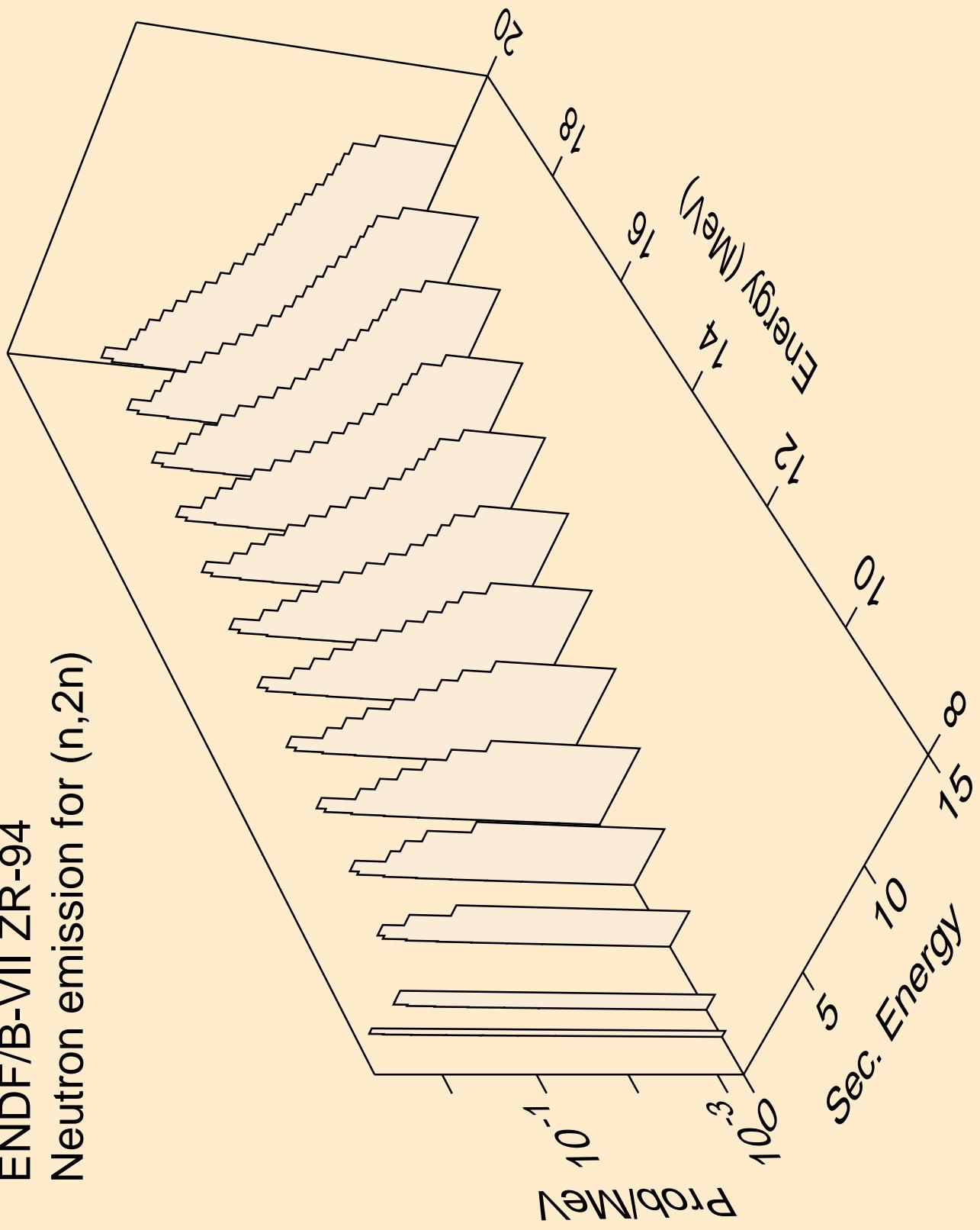
ENDF/B-VII ZR-94

angular distribution for (n,n\*14)



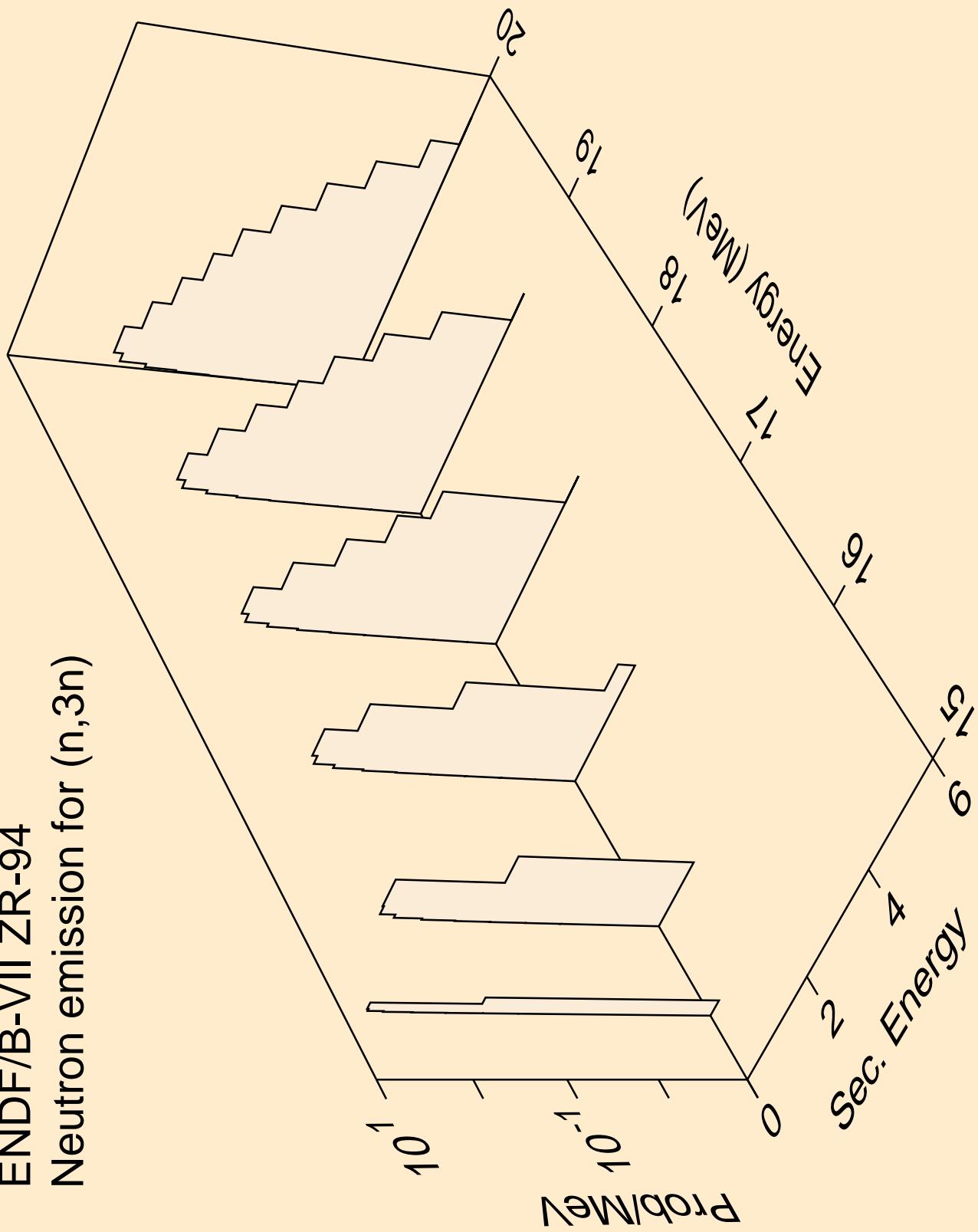
ENDF/B-VII ZR-94

Neutron emission for  $(n,2n)$



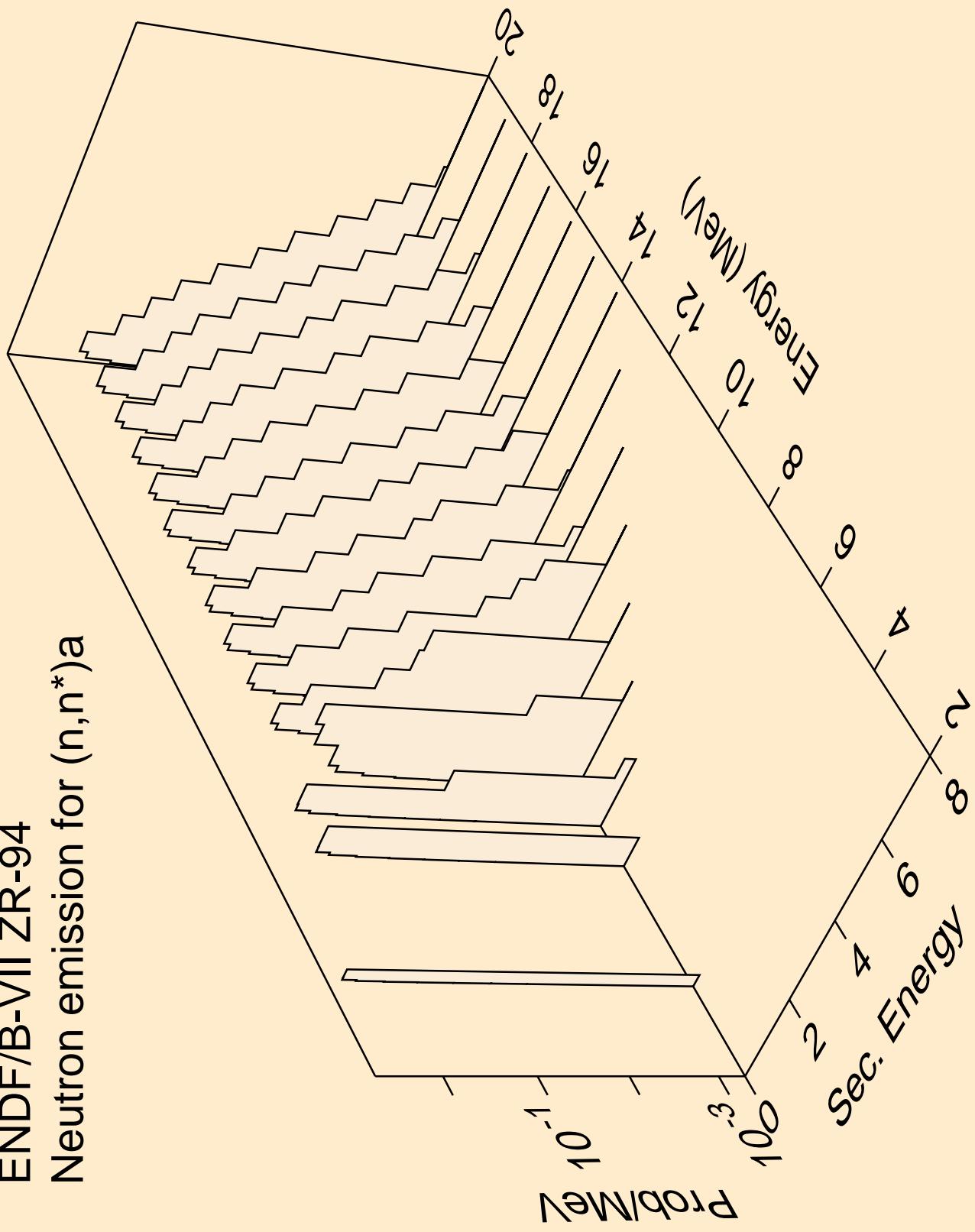
ENDF/B-VII ZR-94

## Neutron emission for $(n, 3n)$



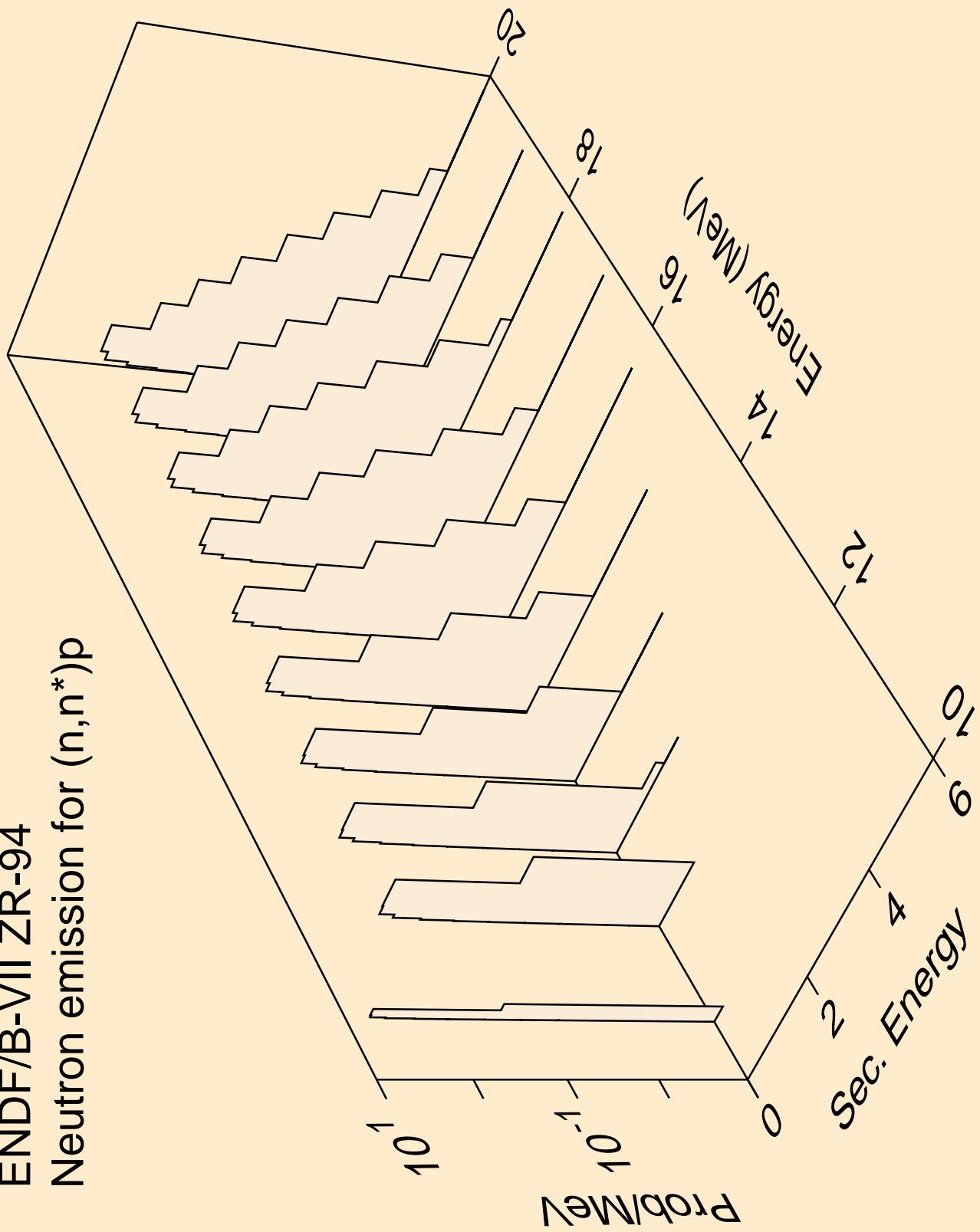
ENDF/B-VII ZR-94

Neutron emission for  $(n, n^*)a$



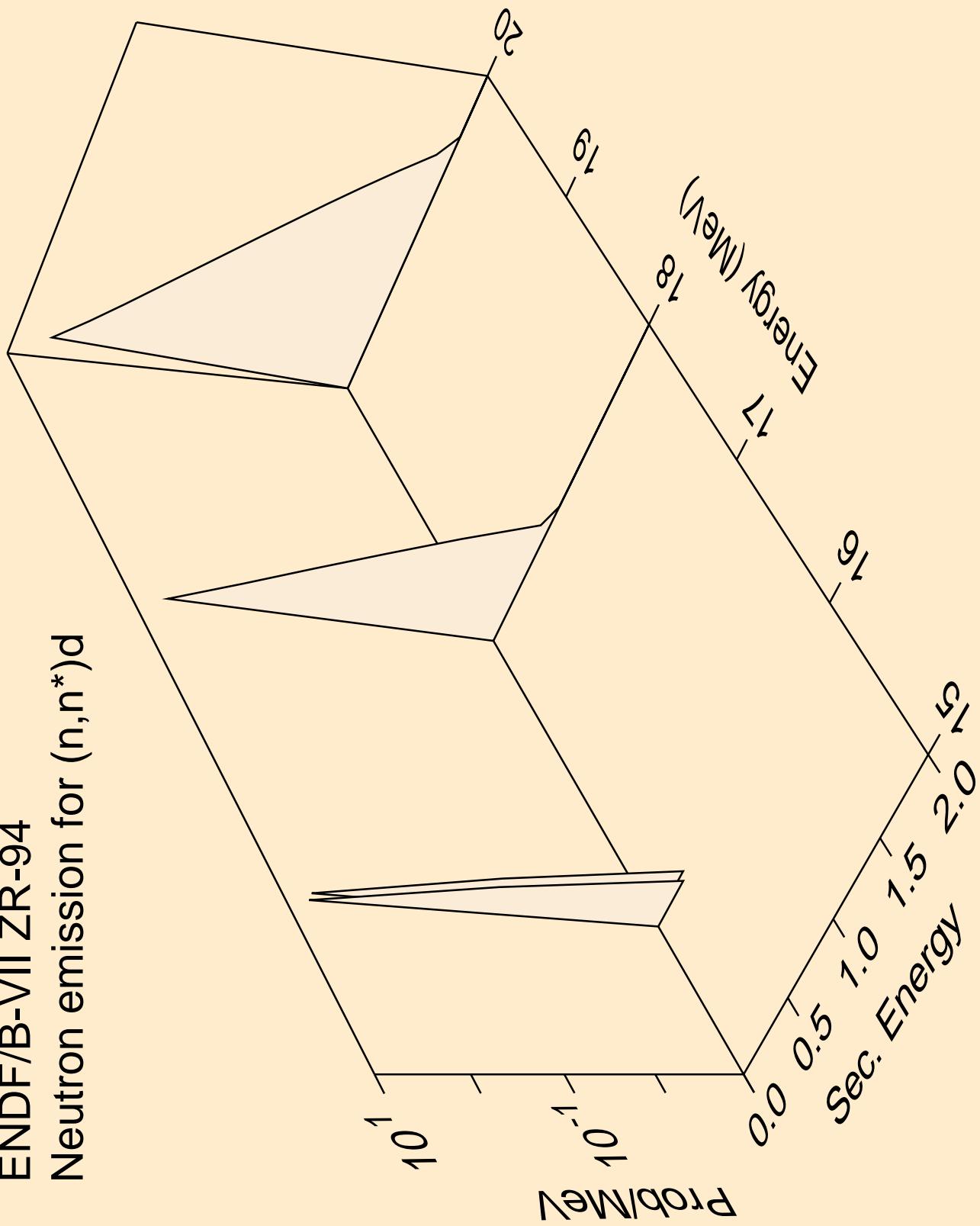
ENDF/B-VII ZR-94

Neutron emission for  $(n, n^*)p$



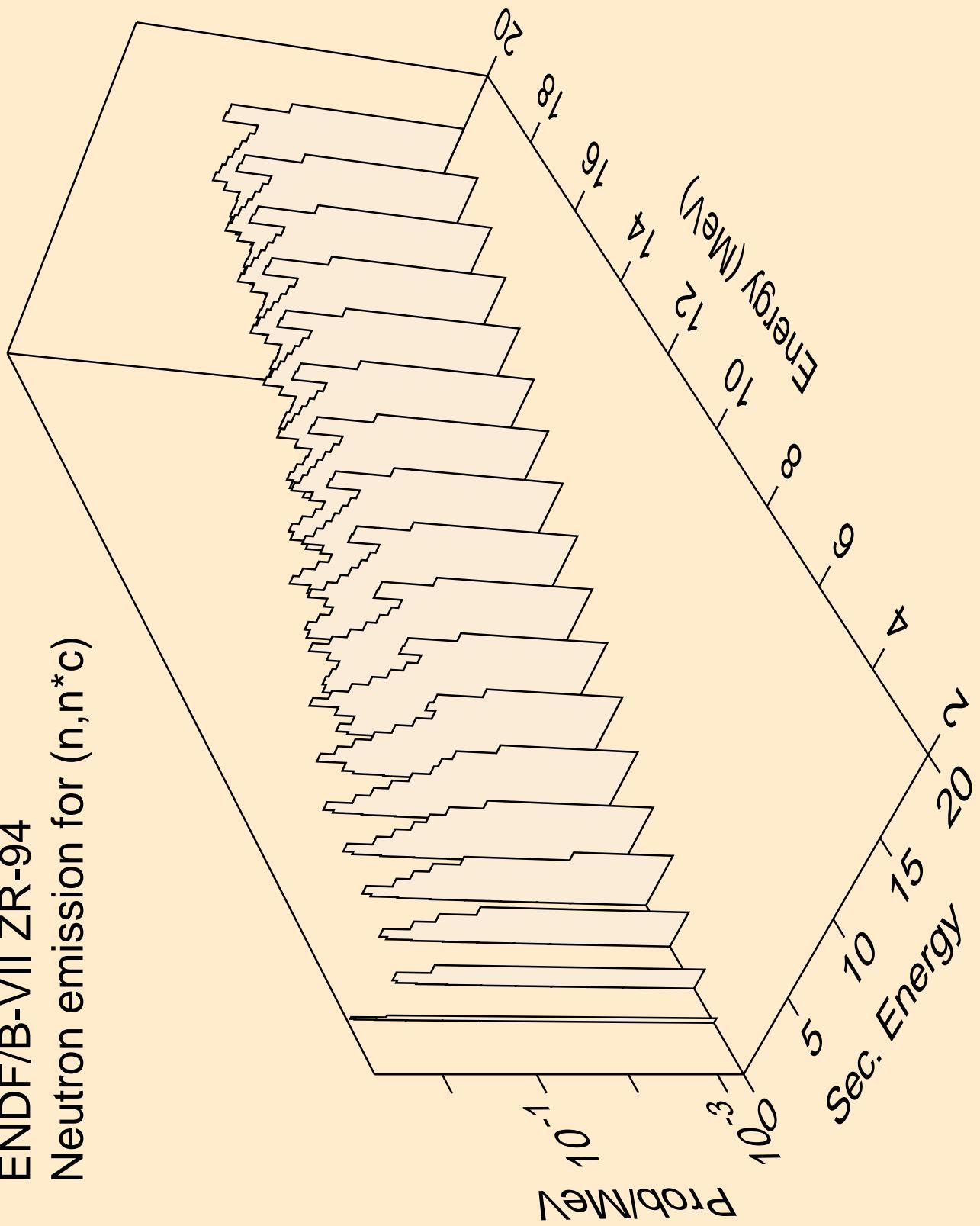
ENDF/B-VII ZR-94

### Neutron emission for $(n, n^*)d$



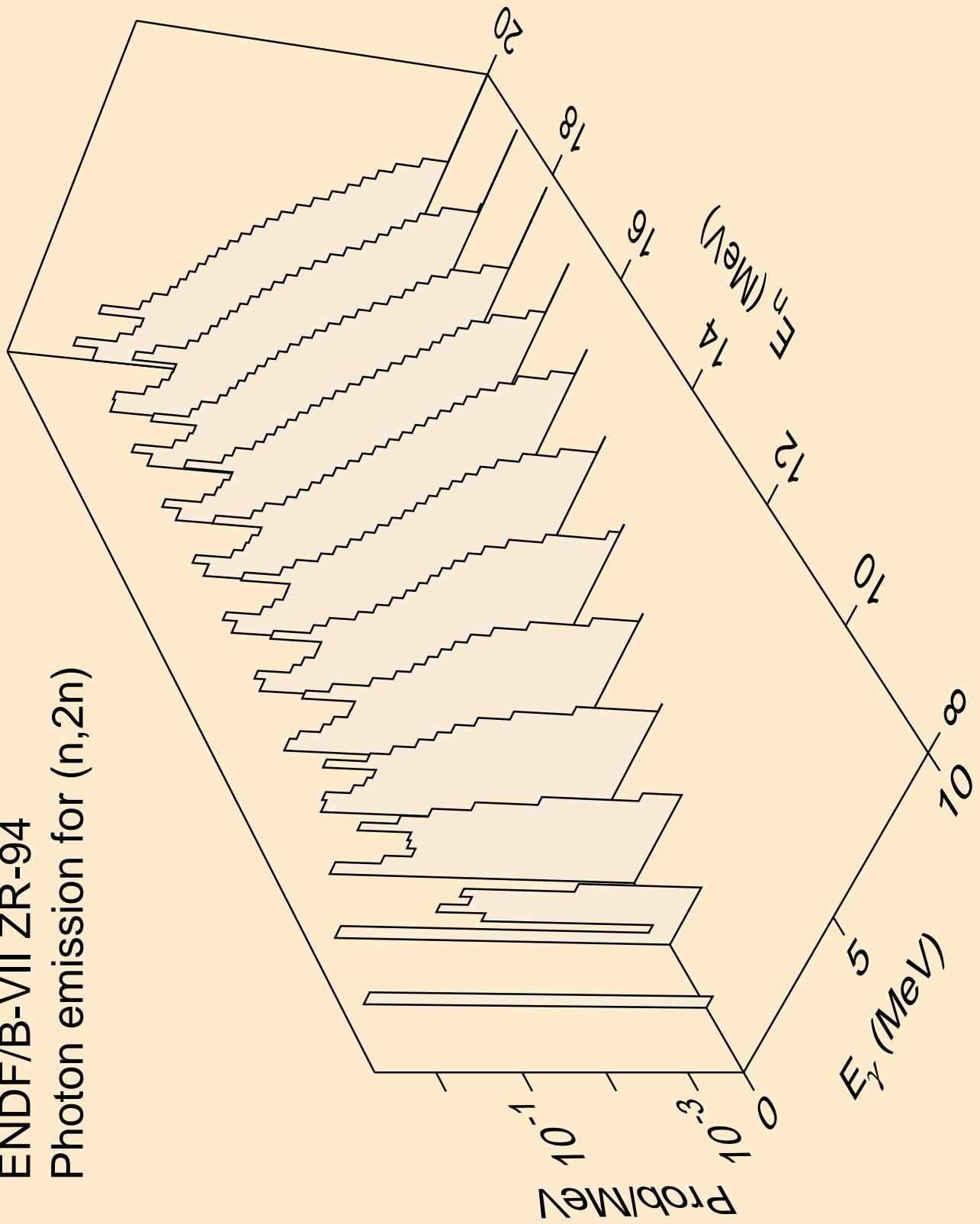
ENDF/B-VII ZR-94

Neutron emission for  $(n, n^* c)$



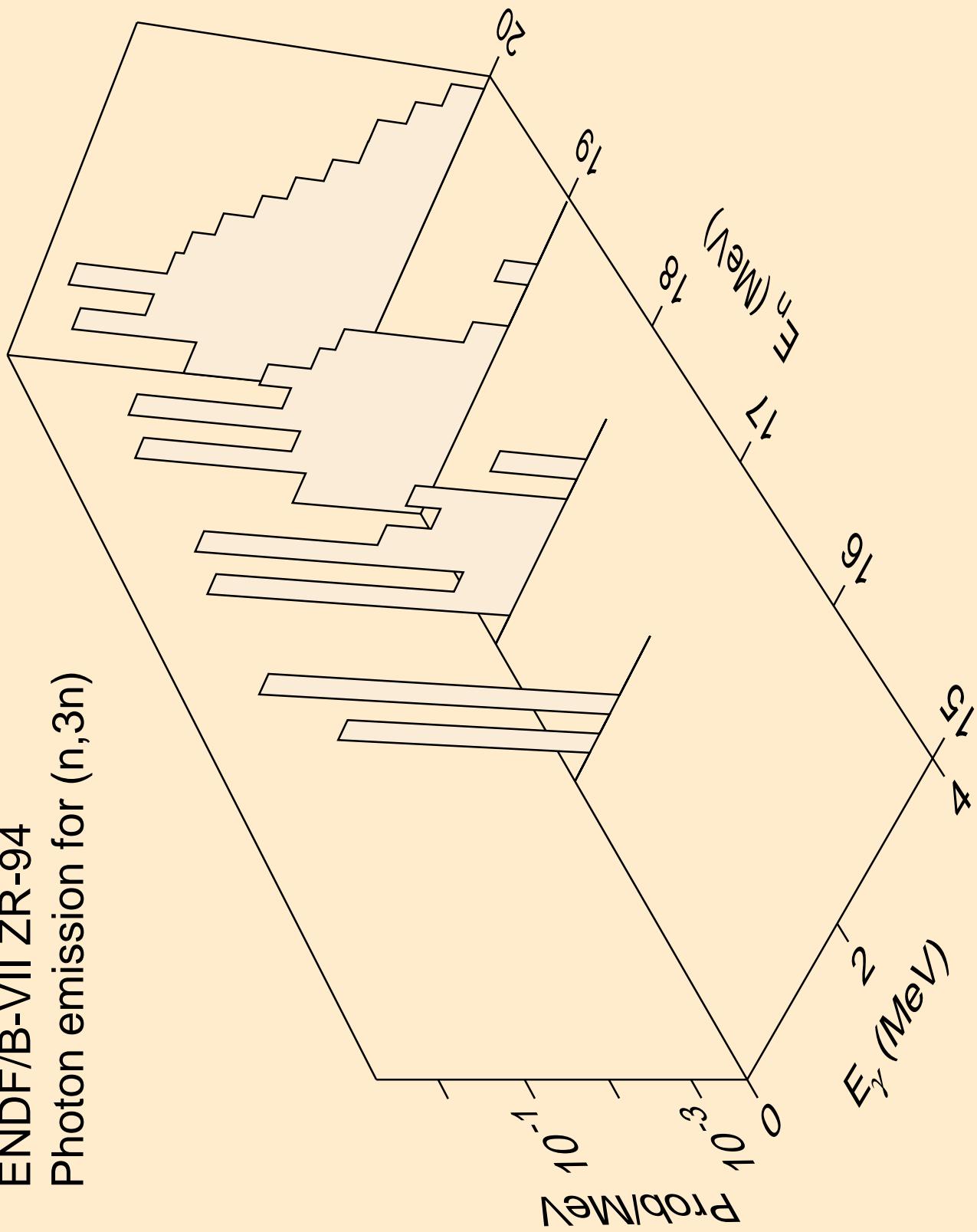
ENDF/B-VII ZR-94

Photon emission for  $(n,2n)$



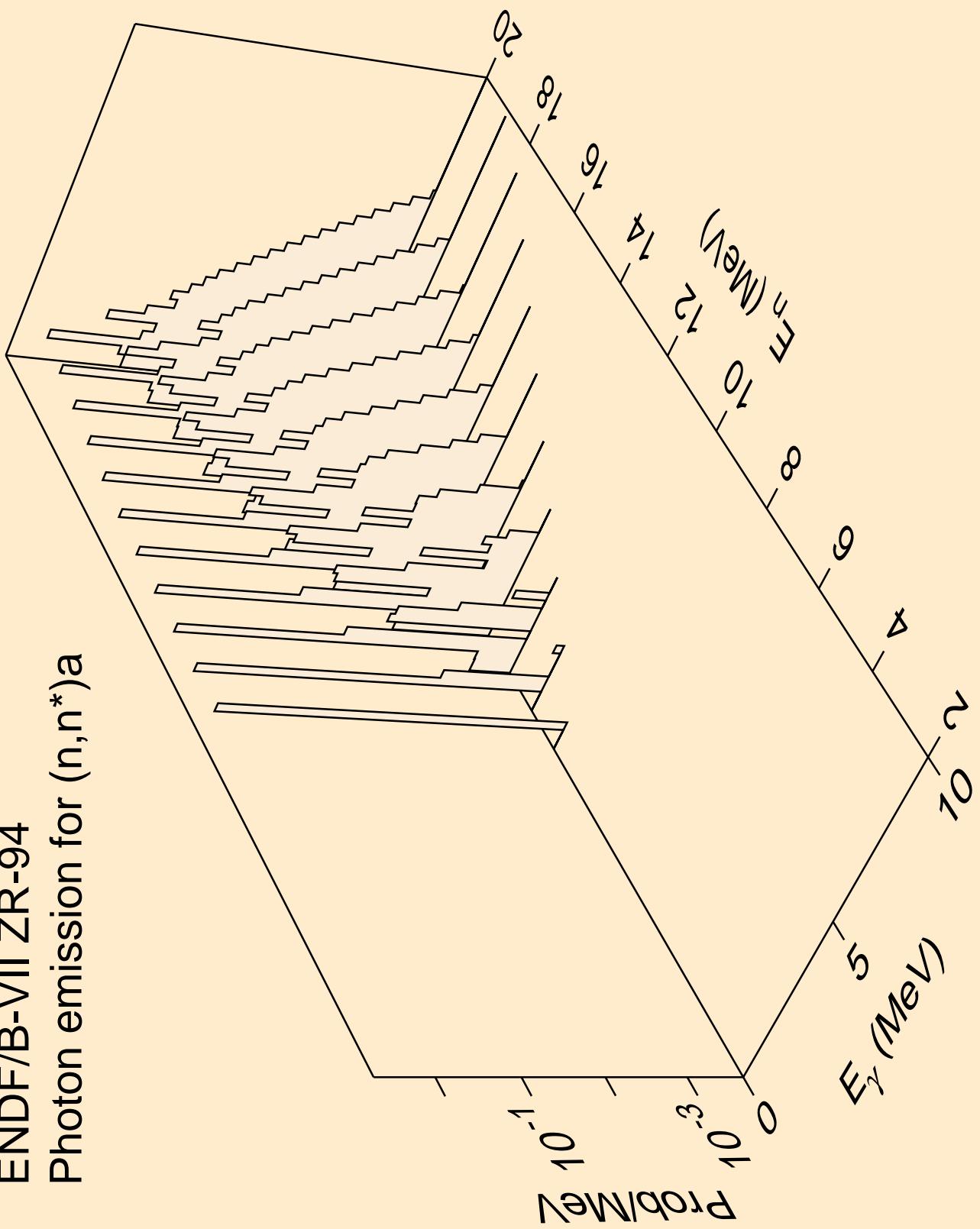
ENDF/B-VII ZR-94

Photon emission for ( $n,3n$ )



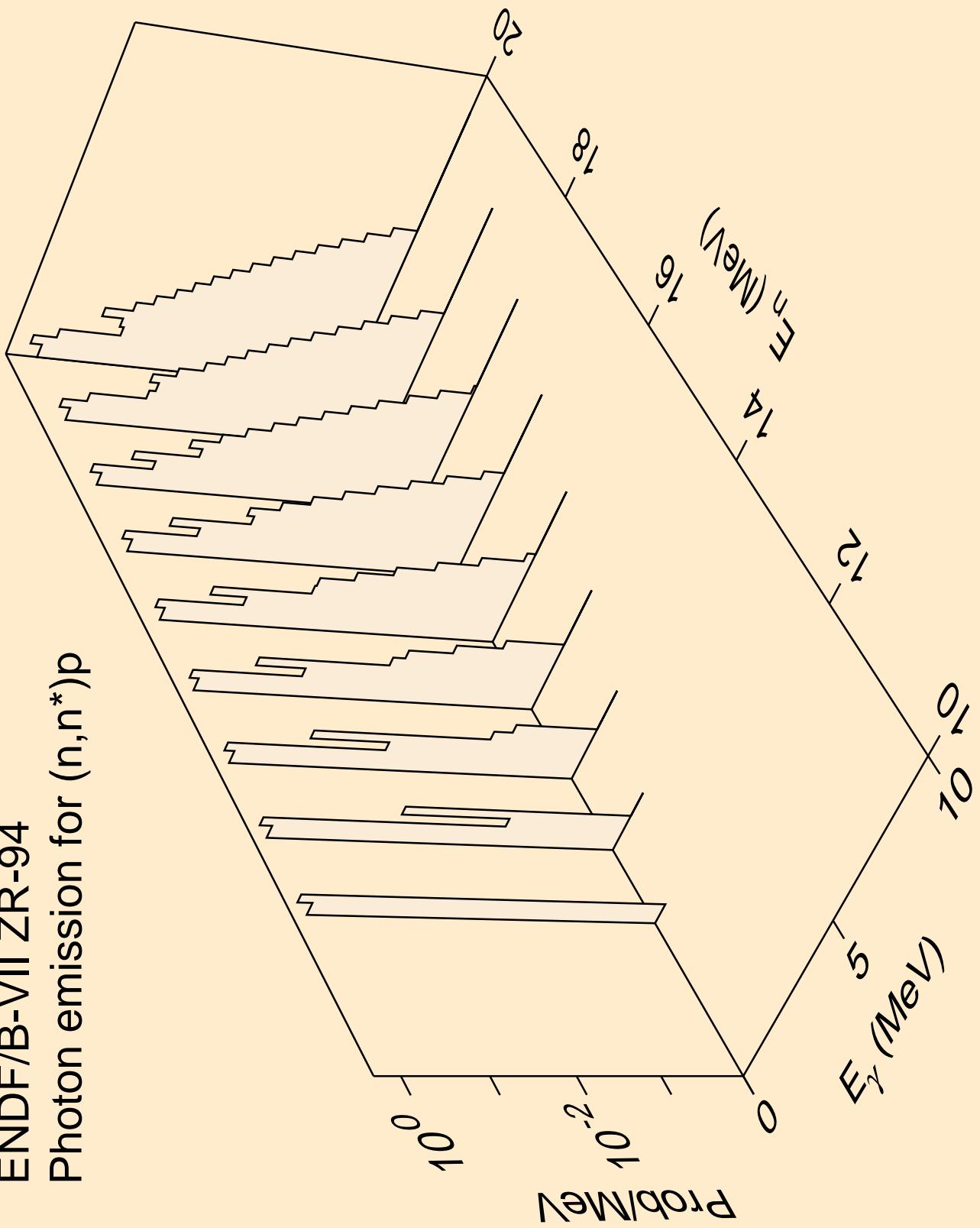
ENDF/B-VII ZR-94

Photon emission for  $(n, n^*)\alpha$



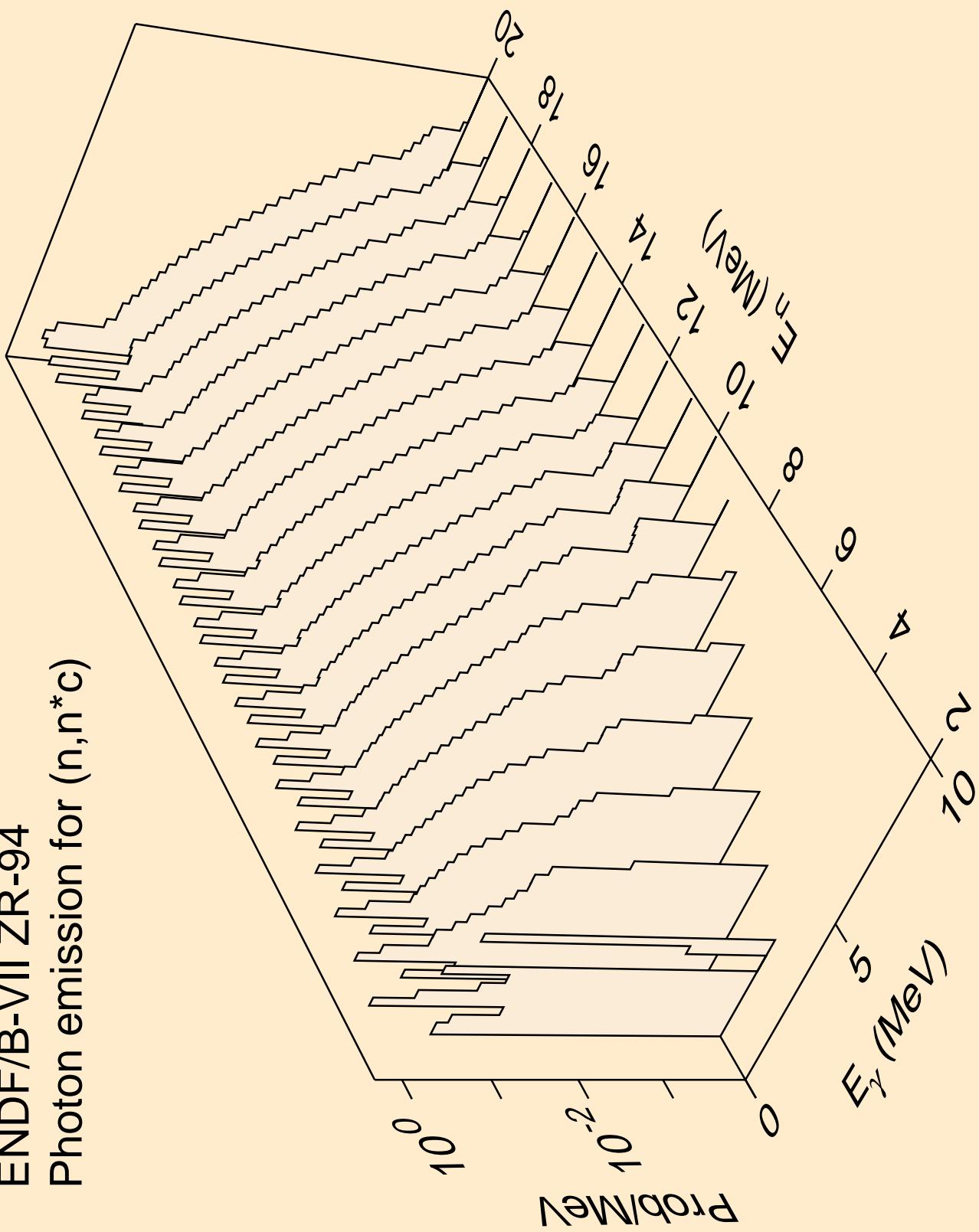
ENDF/B-VII ZR-94

Photon emission for  $(n, n^*)p$



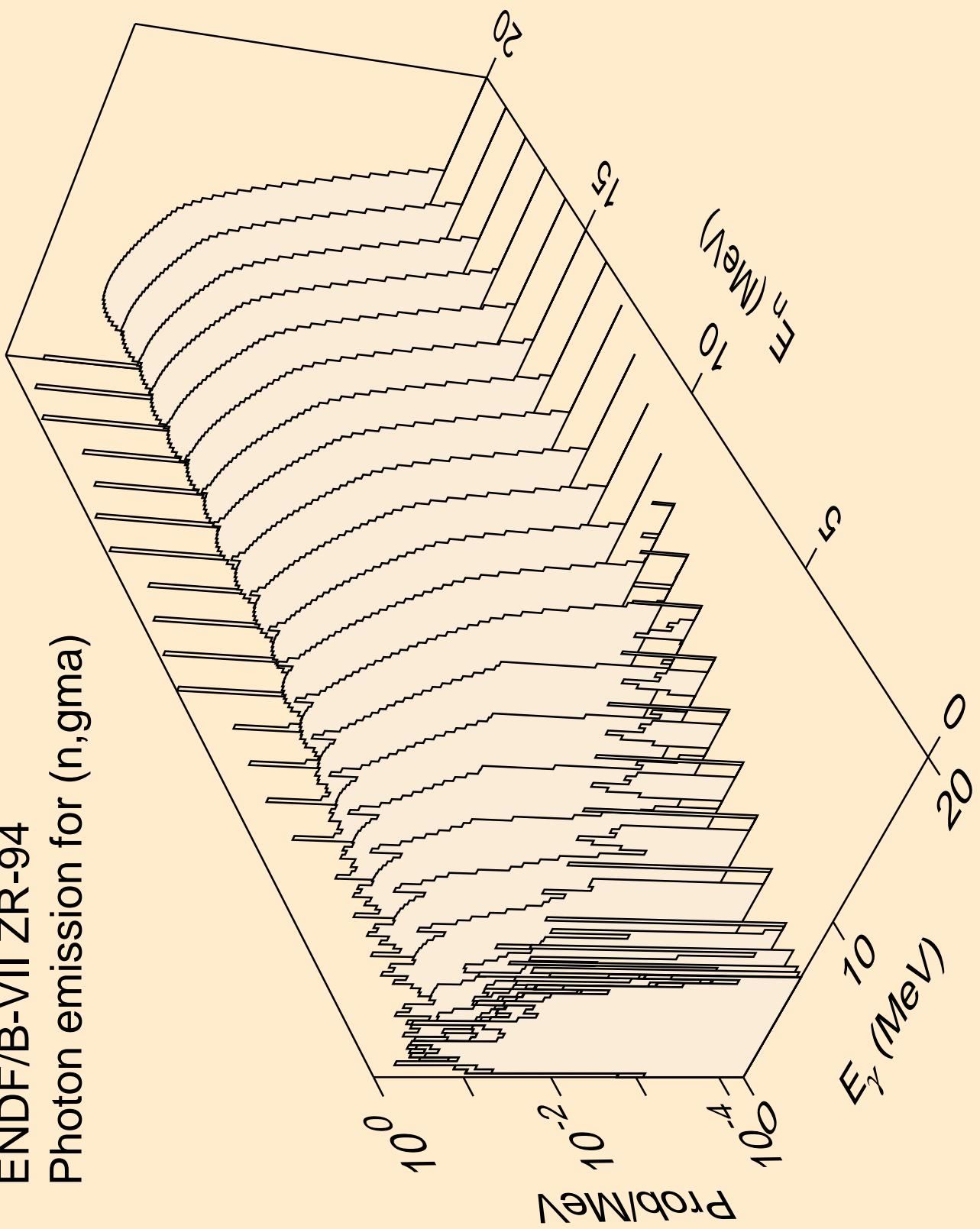
ENDF/B-VII ZR-94

Photon emission for  $(n, n^*c)$

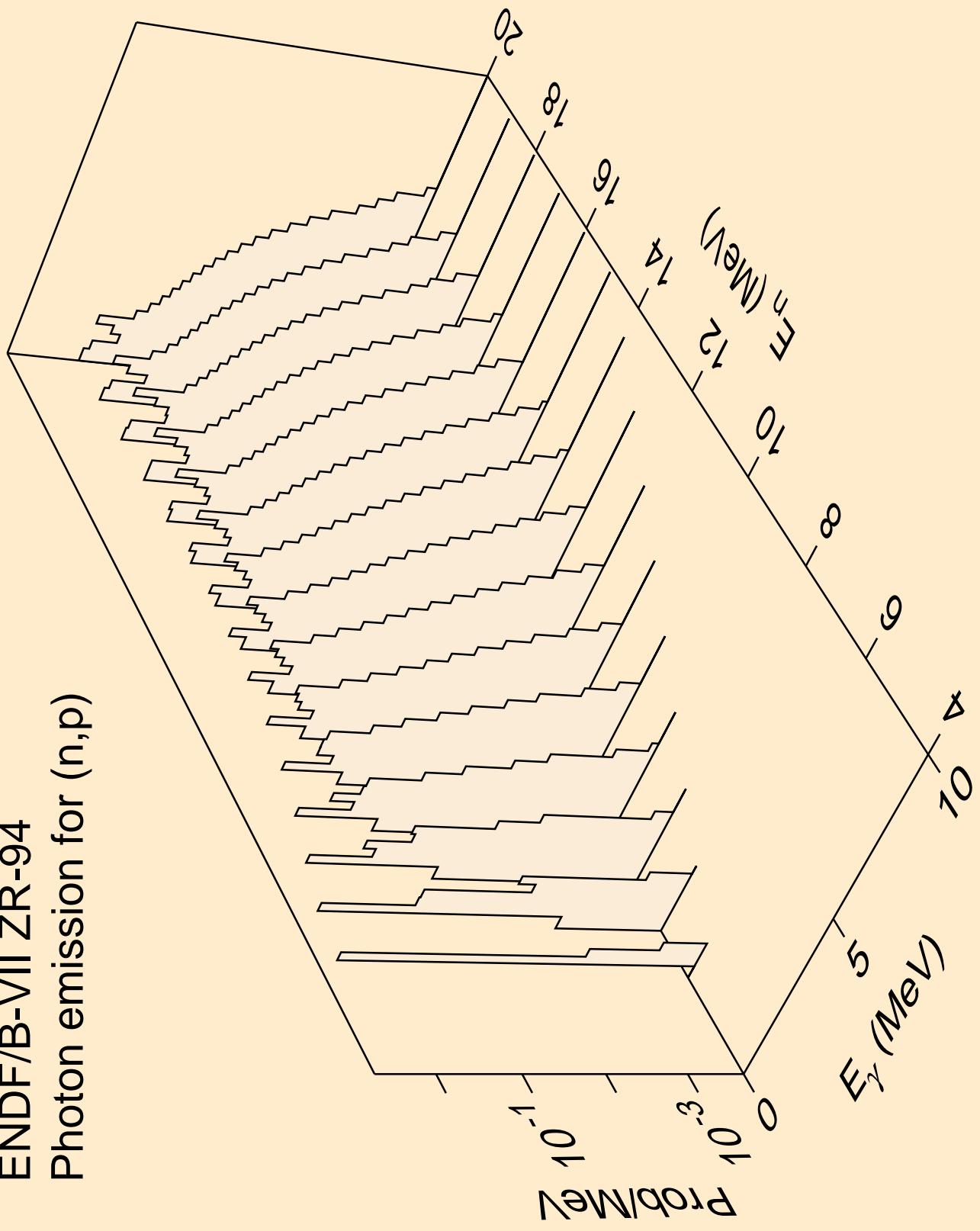


ENDF/B-VII ZR-94

Photon emission for ( $n, \gamma$ )

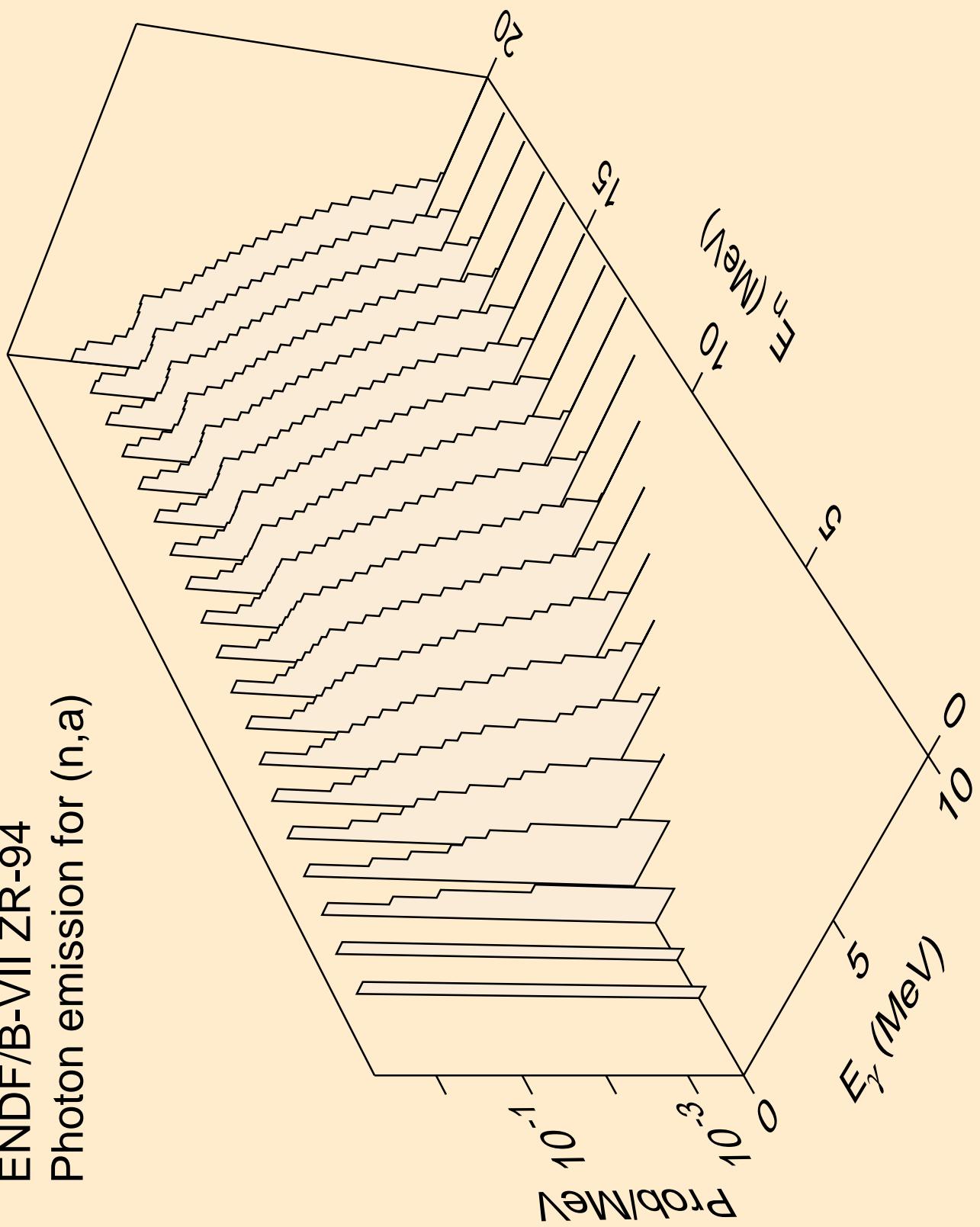


ENDF/B-VII ZR-94  
Photon emission for ( $n, p$ )

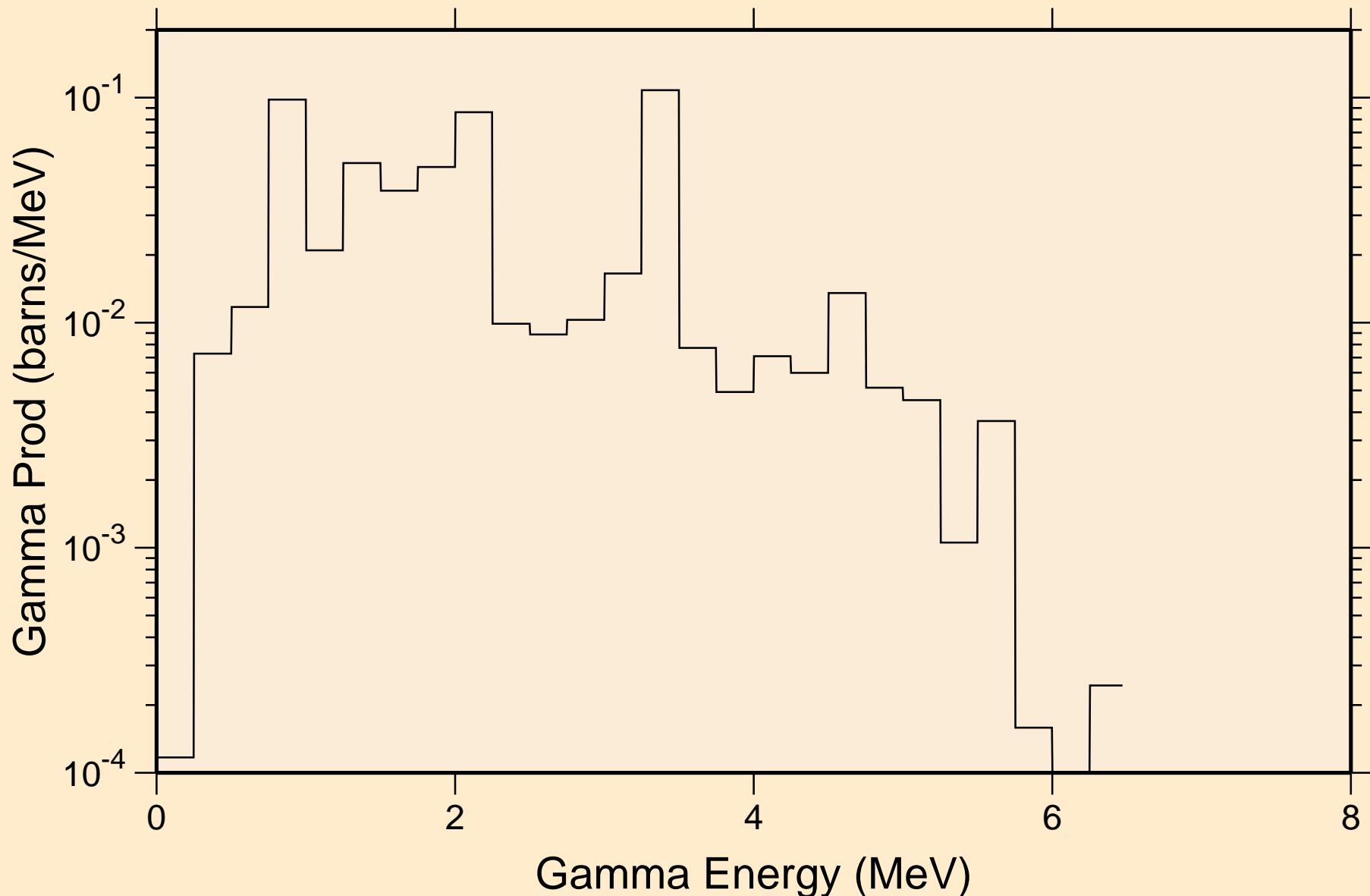


ENDF/B-VII ZR-94

Photon emission for  $(n, \alpha)$



ENDF/B-VII ZR-94  
thermal capture photon spectrum



ENDF/B-VII ZR-94  
14 MeV photon spectrum

